



February 7, 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 #027
Incident Number nAPP2405246233
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 #027 (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 nAPP2405246233.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit G, Section 36, Township 8 South, Range 28 East, in Chaves County, New Mexico (33.576849, -104.041048) 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 historical release area. Based on the delineation soil sample analytical results, a Notification of Release was submitted to the New Mexico Oil Conservation Division (NMOCD) on February 21, 2024. The release was assigned Incident Number nAPP2405246233.

Oxy is not the Operator of the Twin Lakes SA Unit #027 well, and has no independent knowledge of the facts or circumstances surrounding the nature, content or volume of any release(s), contemporaneous to any such release(s). All information submitted by Oxy herein is based on Oxy's present day observations of the site. Oxy submits this *Work Plan* pursuant to an agreement with the NMSLO, as lessee of record.

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CULTURAL PROPERTIES PROTECTION

A portion of the excavation was anticipated to encroach into an undisturbed pasture area; therefore, the Cultural Properties Protection Rule (CPP) was followed prior to disturbing the surface with mechanical equipment. An Archaeological Records Management System (ARMS) review and pedestrian survey were completed at the Site. No cultural resources were identified within or around the release extent. A Cultural Resources Cover Sheet and email correspondence with the SLO Cultural Resource Office are attached as Appendix A.

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. Well records are included in Appendix B.

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. Five surface soil samples (North, North 2, East, West, and South) 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 extent, to delineate the vertical extent of impacted soil. The potholes were advanced to depths ranging from 2 feet to 3 feet bgs. Discrete delineation soil samples were collected from sample points SP1 through SP7 at depths ranging from the ground surface to 3 feet bgs. Soil from the potholes was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations for the January 2024 potholes were logged on lithologic soil sampling logs, which are included in Appendix C.

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 visit and a photographic log is included in Appendix D.

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

Based on the soil sample analytical results, excavation activities were completed at the Site as proposed in the approved *Work Plan*.

EXCAVATION ACTIVITIES

Between December 2024 and January 2025, BBC completed excavation of impacted soil around sample points SP3 and SP5 through SP7, 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 5 feet bgs.

Following removal of impacted soil, BBC collected 5-point composite soil samples every 200 square feet from the floor and sidewalls of the excavation. Composite soil samples BOTTOM 1 through BOTTOM 39 were collected from the floor of the excavation at depths ranging from 1-foot to 5 feet bgs. Composite soil samples SIDEWALL 1 through SIDEWALL 14 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 5 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 D.

Laboratory analytical results for excavation floor samples BOTTOM 1 through BOTTOM 39 and excavation sidewall samples SIDEWALL 1 through SIDEWALL 14, 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 remediation was required. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included as Appendix E.

The excavation measured approximately 7,710 square feet in areal extent. A total of approximately 1,169 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/k) and TPH concentrations less than 100 mg/kg. Photographs of the backfilled excavation are provided in Appendix D. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical report is included as Appendix E.

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

The Twin Lakes SA Unit #027 oil and gas well has been plugged and abandoned and the well pad requires final reclamation activities. Upon closure approval of Incident Number nAPP2405246233, a detailed *Reclamation Plan* will be submitted to the NMSLO proposing final reclamation activities for the entire well pad and access road.

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 nAPP2405246233.

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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

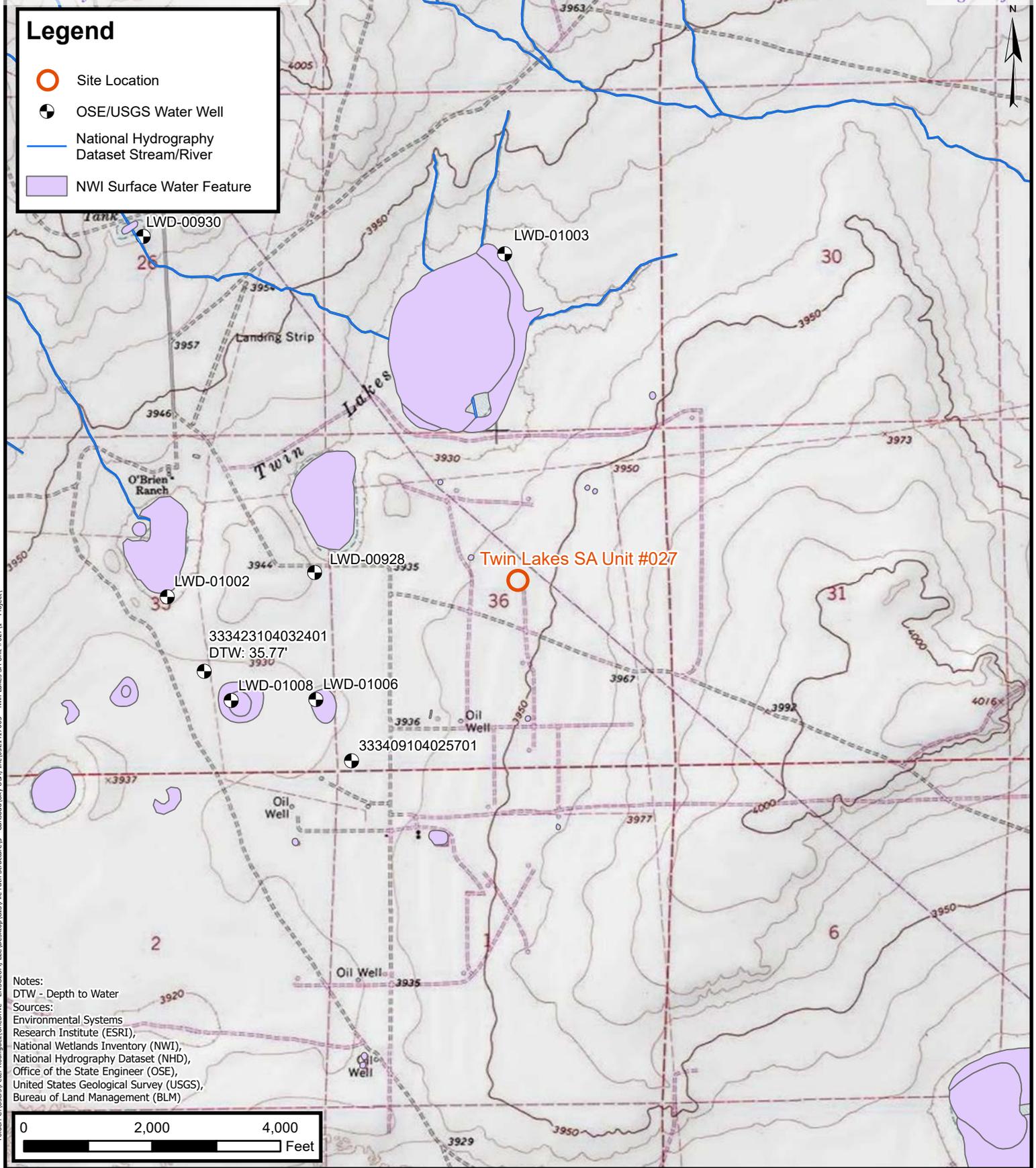
cc: Wade Dittrich, Oxy USA Inc.
New Mexico State Land Office

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 Referenced Well Records
Appendix C Lithologic Soil Sampling Logs
Appendix D Photographic Log
Appendix E Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix F NMOCD Correspondence



FIGURES



Folder: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\GIS\Files Path Structure\3 - Caribbea\Oxy USA, Inc\03E417003 - Twin Lakes SA Unit #027\1 - Project

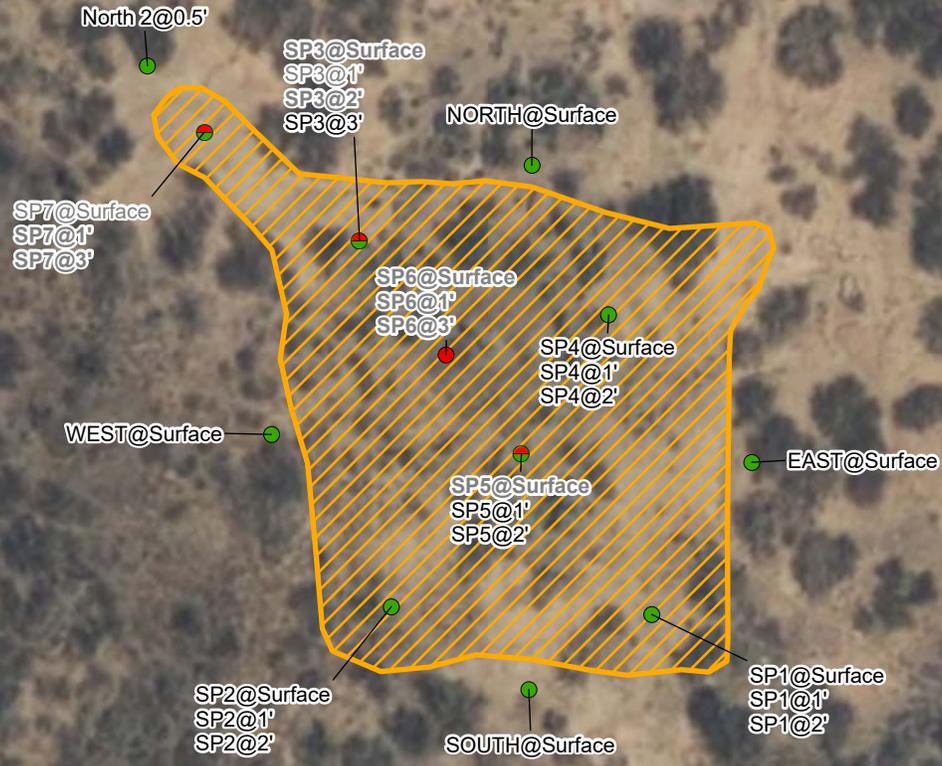


Site Receptor Map
 Oxy USA, Inc.
 Twin Lakes SA Unit #027
 Incident Number: nAPP2405246233
 G-36-08S-28E
 Chaves County, New Mexico

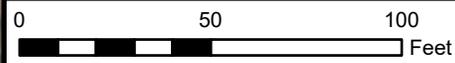
FIGURE
1

Legend

- Delineation Soil Samples Compliant with Closure Criteria
- Delineation Soil Samples with Initial Concentrations Exceeding Closure Criteria
- Delineation Soil Samples with Concentrations Exceeding Closure Criteria
- Release Extent



Notes:
 B - Bottom Sample
 SW - Sidewall Sample
 Sample ID @ Depth Below Ground Surface.
 Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.
 Grey text indicate soil sample was removed during excavation activities.



Sources: Bing Maps



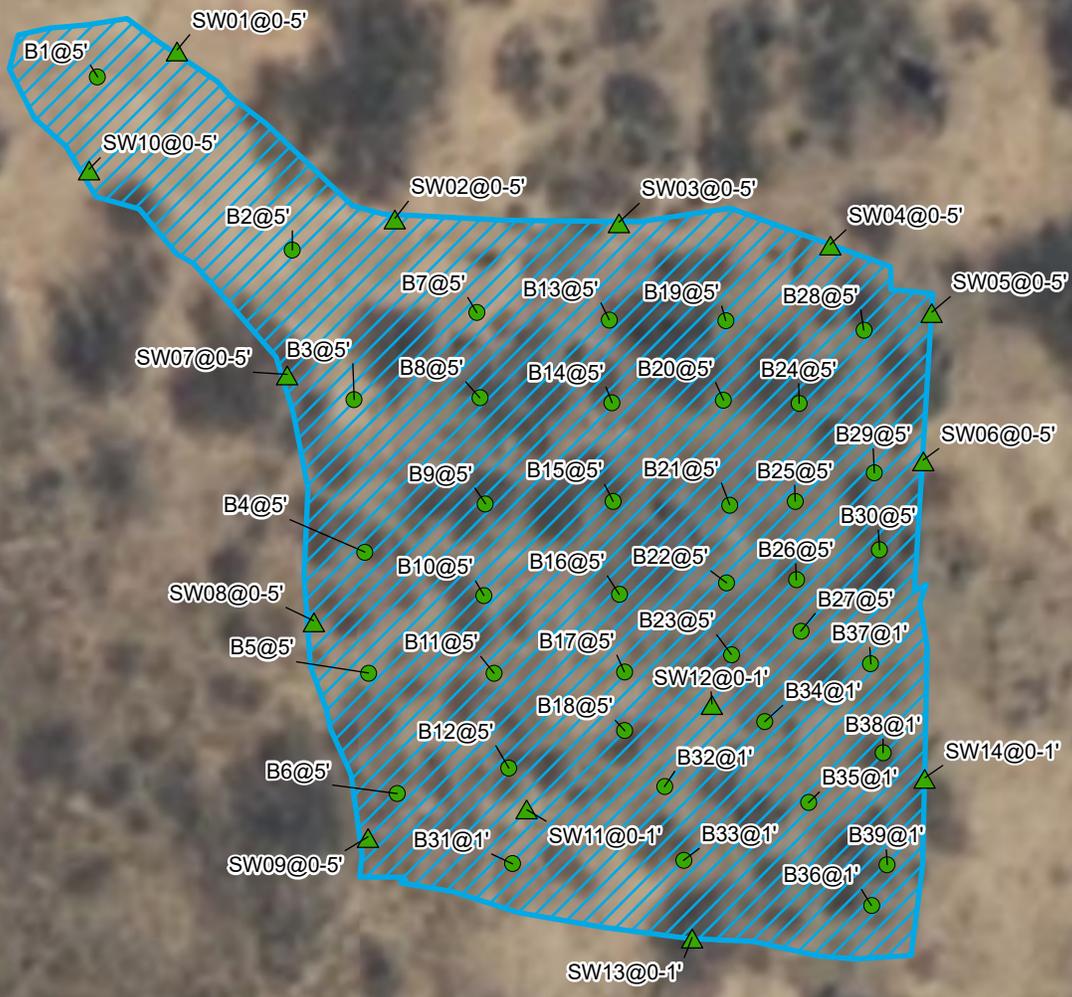
Delineation Soil Sample Locations

Oxy USA, Inc.
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FIGURE
2

Legend

- Confirmation Soil Samples Compliant with Closure Criteria
- ▲ Sidewall Soil Sample Compliant with Closure Criteria
- Excavation Extent



Notes:
 B - Bottom Sample
 SW - Sidewall Sample
 Sample ID @ Depth Below Ground Surface.



Sources:
Bing Maps



Proposed Excavation Extent

Oxy USA, Inc.
 Twin Lakes SA Unit #027
 Incident Number: NA
 G-36-08S-28E
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FIGURE
3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Twin Lakes SA Unit #027
 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
Assessment Soil Samples										
North	11/05/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
North 2	01/30/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
East	11/05/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
West	11/05/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
South	11/05/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP1	11/05/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP1	11/05/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP1	11/05/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SP2	11/08/2021	Surface	<0.050	<0.300	<10.0	16.5	38.6	16.5	55.1	96.0
SP2	11/08/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP2	11/08/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP3	11/08/2021	Surface	<0.050	<0.300	<10.0	436	959	436	1,395	32.0
SP3	11/05/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SP3	11/05/2021	2	<0.050	<0.300	<10.0	276	564	276	840	208
SP3	11/23/2021	3	<0.050	<0.300	<10.0	12.2	<10.0	12.2	12.2	16.0
SP4	11/05/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SP4	11/05/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP4	11/05/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP5	11/05/2021	Surface	<0.050	<0.300	<10.0	45.0	147	45.0	192	112
SP5	11/08/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP5	11/08/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP6	01/30/2024	Surface	<0.050	<0.300	<50.0	234	368	234	602	448
SP6	01/30/2024	1	<0.050	<0.300	<10.0	293	482	293	775	1,250
SP6	01/30/2024	3	<0.050	<0.300	<10.0	46.4	74.3	46.4	121	720



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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
SP7	01/30/2024	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP7	01/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,520
SP7	01/30/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,890
Confirmation Soil Samples										
BOTTOM 1	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 2	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 3	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 4	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 5	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 6	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 7	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 8	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 9	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 10	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 11	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 12	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 13	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 14	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 15	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 16	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 17	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 18	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 19	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 20	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 21	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 22	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 23	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0



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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 24	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 25	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 26	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 27	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 28	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 29	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 30	01/10/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 31	01/10/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 32	01/10/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 33	01/10/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 34	01/10/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 35	01/10/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 36	01/10/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 37	01/10/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 38	01/10/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 39	01/10/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SIDEWALL 1	01/10/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SIDEWALL 2	01/10/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SIDEWALL 3	01/10/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SIDEWALL 4	01/10/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SIDEWALL 5	01/10/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SIDEWALL 6	01/10/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SIDEWALL 7	01/10/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SIDEWALL 8	01/10/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SIDEWALL 9	01/10/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SIDEWALL 10	01/10/2025	0-5	<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 #027
 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
SIDEWALL 11	01/10/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SIDEWALL 12	01/10/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SIDEWALL 13	01/10/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SIDEWALL 14	01/10/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Backfill Soil Sample										
BACKFILL	10/02/2024	NA	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

Notes:

NMOCD: New Mexico Oil Conservation Division
 NMAC: New Mexico Administrative Code
 mg/kg: milligrams per kilogram
 BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
 GRO: Gasoline Range Organics
 DRO: Diesel Range Organics
 ORO: Oil Range Organics
 TPH: Total Petroleum Hydrocarbon

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

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



APPENDIX B

Referenced Well Records



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =
• 333423104032401

Minimum number of levels = 1

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

USGS 333423104032401 08S.28E.35.41334

Chaves County, New Mexico

Latitude 33°34'23", Longitude 104°03'24" NAD27

Land-surface elevation 3,931 feet above NAVD88

The depth of the well is 157 feet below land surface.

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1978-10-18			D	62610	3895.00	NGVD29	1		Z		A
1978-10-18			D	62611	3896.86	NAVD88	1		Z		A
1978-10-18			D	72019	34.14		1		Z		A
1984-02-16			D	62610	3893.37	NGVD29	1		Z		A
1984-02-16			D	62611	3895.23	NAVD88	1		Z		A
1984-02-16			D	72019	35.77		1		Z		A

Explanation

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

- [Questions or Comments](#)
- [Automated retrievals](#)
- [Help](#)
- [Data Tips](#)
- [Explanation of terms](#)
- [Subscribe for system changes](#)
- [News](#)

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

Title: Groundwater for New Mexico: Water Levels

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

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

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

0.36 0.31 nadww02





New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)					(NAD83 UTM in meters)		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 09732			1	22	08S	28E	585283	3719179*

Driller License: 1082	Driller Company: SPEARS, JACK DRILLING CO.	
Driller Name: SPEARS, JACK		
Drill Start Date: 05/14/1999	Drill Finish Date: 06/17/1999	Plug Date:
Log File Date: 06/22/1999	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 10 GPM
Casing Size: 5.00	Depth Well: 922 feet	Depth Water: 600 feet

Water Bearing Stratifications:	Top	Bottom	Description
	862	920	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	832	922

*UTM location was derived from PLSS - see Help

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

2/7/24 2:46 PM

POINT OF DIVERSION SUMMARY



APPENDIX C

Lithologic Soil Sampling Logs

					Sample Name: SP6		Date: Jan 30, 2024					
					Site Name: Twin Lakes SA Unit #027				Incident Number:			
					Job Number: 03E1417003				Logged By: K Shimada		Method: Backhoe	
					Coordinates: 33.576878, -104.041095				Hole Diameter: N/A		Total Depth: 3'	
LITHOLOGIC / SOIL SAMPLING LOG												
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. D-Dry; N-No												
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions				
D	408.8	1.7	N	SP6	Surface	Surface	SW	SAND, greyish-brown, well graded, fine grain, rounded, dry, no stain, no odor.				
D	912.8	0.0	N	SP6	1	1	SW-SM	SAND, dark brown, well graded, abundant silt with clay, fine grain, rounded, dry, no stain, no odor.				
D	840	0.0	N			2	SW-SM	SAND, yellowish brown, well graded, abundant silt with clay, loamy, fine grain, rounded, dry, no stain, no odor.				
D	912.8	0.0	N	SP6	3	3	SW-SM	SAND, yellowish brown, well graded, abundant silt with clay, loamy, fine grain, rounded, dry, no stain, no odor.				
Total Depth @ 3 feet bgs												

					Sample Name: SP7		Date: Jan 30, 2024					
					Site Name: Twin Lakes SA Unit #027				Incident Number:			
					Job Number: 03E1417003				Logged By: K Shimada		Method: Backhoe	
					Coordinates: 33.577039, -104.041300				Hole Diameter: N/A		Total Depth: 3'	
LITHOLOGIC / SOIL SAMPLING LOG												
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. D-Dry; ND-Non Detect; N-No												
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions				
D	ND	0.0	N	SP7	Surface	Surface	SW	SAND, brown, well graded, fine grain, rounded, dry, no stain, no odor.				
D	1075	0.2	N	SP7	1	1	SW-SC	SAND, brown, well graded, some clay, rounded, dry, no stain, no odor.				
D	996.8	3.2	N			2	SW-SC	SAND, brown, well graded, some clay, rounded, dry, no stain, no odor.				
D	1254	0.0	N	SP7	3	3	SW-SC	SAND, brown, well graded, some clay, rounded, dry, no stain, no odor.				
Total Depth @ 3 feet bgs												
<div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black;"></div>												



APPENDIX D
Photographic Log



APPENDIX E

Laboratory Analytical Reports & Chain of Custody Documentation



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

January 20, 2025

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TWIN LAKES SA UNIT #027

Enclosed are the results of analyses for samples received by the laboratory on 01/14/25 11:40.

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 style with a large, flowing "C" at the beginning.

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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 1 @ 5' (H250184-01)

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	01/15/2025	ND	1.86	92.9	2.00	1.56		
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 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	01/15/2025	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	01/15/2025	ND	222	111	200	5.15		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	201	101	200	2.37		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 2 @ 5' (H250184-02)

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	01/15/2025	ND	1.86	92.9	2.00	1.56	
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	01/15/2025	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	01/15/2025	ND	222	111	200	5.15	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	201	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 3 @ 5' (H250184-03)

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	01/15/2025	ND	1.86	92.9	2.00	1.56	
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	01/15/2025	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	01/15/2025	ND	222	111	200	5.15	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	201	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 4 @ 5' (H250184-04)

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	01/15/2025	ND	1.86	92.9	2.00	1.56	
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	01/15/2025	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	01/15/2025	ND	222	111	200	5.15	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	201	101	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 5 @ 5' (H250184-05)

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	01/15/2025	ND	1.86	92.9	2.00	1.56	
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 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	01/15/2025	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	01/15/2025	ND	193	96.5	200	7.12	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 6 @ 5' (H250184-06)

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	01/15/2025	ND	1.86	92.9	2.00	1.56	
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	01/15/2025	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	01/15/2025	ND	193	96.5	200	7.12	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 7 @ 5' (H250184-07)

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	01/15/2025	ND	1.86	92.9	2.00	1.56	
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	01/15/2025	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	01/15/2025	ND	193	96.5	200	7.12	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Analytical Results For:

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

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 8 @ 5' (H250184-08)

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	01/15/2025	ND	1.86	92.9	2.00	1.56	
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 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	01/15/2025	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	01/15/2025	ND	193	96.5	200	7.12	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 9 @ 5' (H250184-09)

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	01/15/2025	ND	1.86	92.9	2.00	1.56	
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	01/15/2025	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	01/15/2025	ND	193	96.5	200	7.12	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 10 @ 5' (H250184-10)

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	01/15/2025	ND	1.86	92.9	2.00	1.56	
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 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	01/15/2025	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	01/15/2025	ND	193	96.5	200	7.12	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 11 @ 5' (H250184-11)

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	01/15/2025	ND	1.86	92.9	2.00	1.56	
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	01/15/2025	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	01/15/2025	ND	193	96.5	200	7.12	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 12 @ 5' (H250184-12)

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	01/15/2025	ND	1.86	92.9	2.00	1.56	
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 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	01/15/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	193	96.5	200	7.12		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 136 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 13 @ 5' (H250184-13)

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	01/15/2025	ND	1.86	92.9	2.00	1.56		
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	01/15/2025	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	01/15/2025	ND	193	96.5	200	7.12		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 14 @ 5' (H250184-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.86	92.9	2.00	1.56		
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	01/15/2025	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	01/15/2025	ND	193	96.5	200	7.12		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 15 @ 5' (H250184-15)

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	01/15/2025	ND	1.86	92.9	2.00	1.56		
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	193	96.5	200	7.12		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Analytical Results For:

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Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 16 @ 5' (H250184-16)

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	01/15/2025	ND	1.86	92.9	2.00	1.56	
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	193	96.5	200	7.12	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Analytical Results For:

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Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 17 @ 5' (H250184-17)

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	01/15/2025	ND	1.86	92.9	2.00	1.56	
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	193	96.5	200	7.12	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 18 @ 5' (H250184-18)

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	01/15/2025	ND	1.86	92.9	2.00	1.56	
Toluene*	<0.050	0.050	01/15/2025	ND	1.98	99.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	1.62	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	5.71	95.1	6.00	1.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	193	96.5	200	7.12	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Analytical Results For:

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

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 19 @ 5' (H250184-19)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	193	96.5	200	7.12		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 20 @ 5' (H250184-20)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	193	96.5	200	7.12		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 21 @ 5' (H250184-21)

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	01/15/2025	ND	2.02	101	2.00	0.941	
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	193	96.5	200	7.12	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 22 @ 5' (H250184-22)

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	01/15/2025	ND	2.02	101	2.00	0.941	
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	193	96.5	200	7.12	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 23 @ 5' (H250184-23)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	193	96.5	200	7.12		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 24 @ 5' (H250184-24)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	193	96.5	200	7.12		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	188	93.8	200	6.47		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 25 @ 5' (H250184-25)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 26 @ 5' (H250184-26)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 27 @ 5' (H250184-27)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 28 @ 5' (H250184-28)

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	01/15/2025	ND	2.02	101	2.00	0.941	
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	204	102	200	5.76	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 29 @ 5' (H250184-29)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	01/15/2025	ND	448	112	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 30 @ 5' (H250184-30)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 74.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 31 @ 1' (H250184-31)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 32 @ 1' (H250184-32)

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	01/15/2025	ND	2.02	101	2.00	0.941	
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 33 @ 1' (H250184-33)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 34 @ 1' (H250184-34)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 35 @ 1' (H250184-35)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 36 @ 1' (H250184-36)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 37 @ 1' (H250184-37)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 76.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 38 @ 1' (H250184-38)

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	01/15/2025	ND	2.02	101	2.00	0.941		
Toluene*	<0.050	0.050	01/15/2025	ND	2.15	108	2.00	0.803		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.19	110	2.00	1.03		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.54	109	6.00	1.67		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 39 @ 1' (H250184-39)

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	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 1 @ 5' (H250184-40)

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	01/15/2025	ND	1.90	95.2	2.00	2.96		
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Analytical Results For:

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

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 2 @ 5' (H250184-41)

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	01/15/2025	ND	1.90	95.2	2.00	2.96		
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Analytical Results For:

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

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 3 @ 5' (H250184-42)

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	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 4 @ 5' (H250184-43)

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	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 5 @ 5' (H250184-44)

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	01/15/2025	ND	1.90	95.2	2.00	2.96		
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/15/2025	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	01/15/2025	ND	204	102	200	5.76		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	192	95.9	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 6 @ 5' (H250184-45)

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	01/15/2025	ND	1.90	95.2	2.00	2.96		
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/15/2025	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	01/15/2025	ND	189	94.4	200	5.67		
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29		
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND						

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Analytical Results For:

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

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 7 @ 5' (H250184-46)

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	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	01/15/2025	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	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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

Received:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 8 @ 5' (H250184-47)

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	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/15/2025	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	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 9 @ 5' (H250184-48)

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	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/15/2025	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	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 10 @ 5' (H250184-49)

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	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	01/15/2025	ND	464	116	400	3.51	

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	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 11 @ 5' (H250184-50)

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	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	01/15/2025	ND	464	116	400	3.51	

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	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 12 @ 1' (H250184-51)

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	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	01/15/2025	ND	464	116	400	3.51	

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	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 13 (H250184-52)

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	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/15/2025	ND	464	116	400	3.51	

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	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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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:	01/14/2025	Sampling Date:	01/10/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 14 (H250184-53)

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	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/15/2025	ND	464	116	400	3.51	

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	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CARDINAL 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.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs State: NM Zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: Oxy
 Project Name: Twin Lakes SA unit # 27
 Project Location: New Mexico
 Sampler Name: Roger Hernandez
 P.O. #: Company: Oxy
 Attn: Address:
 City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BTEX	CL-
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H50184	Borrom 1	C	1								01.10.25	800	✓	✓	✓
	2	C	1								01.10.25	805	✓	✓	✓
	3	C	1								01.10.25	810	✓	✓	✓
	4	C	1								01.10.25	815	✓	✓	✓
	5	C	1								01.10.25	820	✓	✓	✓
	6	C	1								01.10.25	825	✓	✓	✓
	7	C	1								01.10.25	830	✓	✓	✓
	8	C	1								01.10.25	835	✓	✓	✓
	9	C	1								01.10.25	840	✓	✓	✓
	10	C	1								01.10.25	845	✓	✓	✓

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Relinquished By: *Roger Hernandez* Date: *11-25-14* Time: *11:40*
 Received By: *Stockigney*
 Delivered By: (Circle One) *CF-O.L.C. #140* Sample Condition: Intact Cool Yes No
 Sampler - UPS - Bus - Other: *2.9c / 2.3c* Yes No *SR* CHECKED BY: *SR*
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

1 of 6



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: Twin Lakes SA unit # 27 Project Location: New Mexico Sampler Name: Roger Hernandez		P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D.: H850184		Sample I.D.: _____	
PLEASE NOTE: Liability and Damages: Cardinal's liability and coverage extends only for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated exceptions or otherwise.		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
Requiring/Inquiring By: Don Williams Date: _____ Time: _____		Received By: Spookrigney Date: _____ Time: _____	
Delivered By: (Circle One) g.a.i.) C.O. Loc Sampler - UPS - Bus - Other: g.3.2. #40		Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: SPK	
Reinquished By: _____ Date: _____ Time: _____		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Add'l Fax #: _____	
REMARKS: _____		_____	

2 of 6



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

34

Company Name: BBC International, Inc.		BILL TO		P.O. #:		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		Address: P.O. Box 805		Company: Oxy			
City: Hobbs		State: NM zip: 88241		Attn:			
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:			
Project #:		Project Owner: Oxy		City:			
Project Name: Twin Lakes SA unit # 27		State:		Zip:			
Project Location: New Mexico		Phone #:		Fax #:			
Sampler Name: Roger Hernandez		FRI/LAB USE ONLY		PRESERV		SAMPLING	
Lab I.D. H350184		Sample I.D.		MATRIX			
				GROUNDWATER			
				WASTEWATER			
				SOIL			
				OIL			
				SLUDGE			
				OTHER :			
				ACID/BASE:			
				ICE / COOL			
				OTHER :			
				DATE		TIME	
21		Bottom		1-10-25		940	
22				1-10-25		945	
23				1-10-25		950	
24				1-10-25		955	
25				1-10-25		1000	
26				1-10-25		1005	
27				1-10-25		1010	
28				1-10-25		1015	
29				1-10-25		1020	
30				1-10-25		1025	
						TPH	
						BTEX	
						CL-	

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Relinquished By: Roger Hernandez	Date: 1/14/25	Time: 1:40	Received By: Spockigney	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
Delivered By: (Circle One) <u>2919-0-U</u>	Sample Condition	Checked By: (Initials) <u>SRZ</u>	REMARKS:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
Sampler - UPS - Bus - Other: <u>23-#140</u>	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>			

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

49

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: _____ Project Location: New Mexico Sample Name: _____		State: NM Zip: 88241 Fax #: 575-397-0397 Project Owner: Oxy City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		BILL TO P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		ANALYSIS REQUEST			
FOR LAB USE ONLY Lab I.D. #150184 Sample I.D. BOTTOM		(G)GRAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV SAMPLING		DATE TIME		TPH BTEX CL-	
31	32	33	34	35	36	37	38	39	40
1'	1'	1'	1'	1'	1'	1'	1'	1'	1'
C	C	C	C	C	C	C	C	C	C
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1-10-25	1-10-25	1-10-25	1-10-25	1-10-25	1-10-25	1-10-25	1-10-25	1-10-25	1-10-25
1030	1035	1040	1045	1050	1055	1100	1105	1110	1120
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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Relinquished By: *Don Demands* Date: 1-14-25 Time: 1:40
 Received By: *Spodrigney* Date: 1-14-25 Time: 1:40

Delivered By: (Circle One) *291K-O-LO* Sample Condition: Cool Intact
 Sampler - UPS - Bus - Other: *232 #140* Yes No
 CHECKED BY: *SP*

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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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 Name: Twin Lakes SA unit #27	City: _____
Project Location: New Mexico	State: _____ Zip: _____
Sample Name:	Phone #: _____
FOR LAB USE ONLY	Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			DATE	TIME	TPH	BTEX	CL-
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :					
HASD 84	S1, DEWALL 2	C	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.10.25	1125	✓	✓	✓
5442	3	C	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.10.25	1130	✓	✓	✓
5443	4	C	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.10.25	1135	✓	✓	✓
5444	5	C	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.10.25	1140	✓	✓	✓
5445	6	C	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.10.25	1145	✓	✓	✓
5446	7	C	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.10.25	1150	✓	✓	✓
5447	8	C	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.10.25	1155	✓	✓	✓
5448	9	C	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.10.25	1200	✓	✓	✓
5449	10	C	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.10.25	1235	✓	✓	✓
7050	11	C	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.10.25	1240	✓	✓	✓

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Relinquished By: <i>Roy Dorman</i>	Date: _____	Received By: <i>Speckleigney</i>	Date: _____
Time: 1140	Time: _____	Time: _____	Time: _____
Delivered By: (Circle One) <i>29.92.0.12</i>	Sample Condition	CHECKED BY: <i>SR</i>	
Sampler - UPS - Bus - Other: <i>232#140</i>	Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	



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

October 09, 2024

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TWIN LAKES BACKFILL

Enclosed are the results of analyses for samples received by the laboratory on 10/03/24 15:11.

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".

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:	10/03/2024	Sampling Date:	10/02/2024
Reported:	10/09/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES BACKFILL	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BACKFILL - TWIN LAKES (H246034-01)

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	10/04/2024	ND	2.08	104	2.00	0.543	
Toluene*	<0.050	0.050	10/04/2024	ND	2.16	108	2.00	8.11	
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	2.32	116	2.00	11.9	
Total Xylenes*	<0.150	0.150	10/04/2024	ND	7.11	118	6.00	13.4	
Total BTEX	<0.300	0.300	10/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	32.0	16.0	10/04/2024	ND	384	96.0	400	8.00	

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	10/04/2024	ND	201	101	200	0.440	
DRO >C10-C28*	<10.0	10.0	10/04/2024	ND	190	95.2	200	0.976	
EXT DRO >C28-C36	<10.0	10.0	10/04/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



APPENDIX F

NMOCD Correspondence

From: [Hamlet, Robert, EMNRD](#)
To: [Aimee Cole](#)
Cc: [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#); [Velez, Nelson, EMNRD](#)
Subject: Oxy USA Inc. - Extension Request - Twin Lakes Remediation Sites (6 sites)
Date: Monday, June 10, 2024 3:18:52 PM
Attachments: [image005.jpg](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.jpg](#)

You don't often get email from robert.hamlet@emnrd.nm.gov. [Learn why this is important](#)

[**EXTERNAL EMAIL**]

RE: Incident # **NAPP2405244149, NAPP2405246233, NAPP2405243873**

Aimee,

Your request for a 90 day extension to **September 9th, 2024** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, June 10, 2024 1:06 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes Remediation Sites (6 sites)

Hi Rob,

I am forwarding the below to you as the last 3 incidents are yours: nAPP2405244149, nAPP2405246233, nAPP2405243873. I will be writing back to Aimee and letting her know she needs to send extension requests separately and not one big batch. I will also be replying to her about the top 3 incidents which are mine.

Shelly

From: Aimee Cole <acole@ensolum.com>

Sent: Monday, June 10, 2024 11:58 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes Remediation Sites (6 sites)

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 June 10-11, 2024, deadline for submitting a report required in 9.15.29.12.B.(1) NMAC for the below listed sites:

- Twin Lakes SA Unit #019 (Incident # nAPP2405245671)
- Twin Lakes SA Unit #028 (Incident # nAPP2405245333)
- Twin Lakes SA Unit #316 (Incident # nAPP2405244372)
- Twin Lakes SA Unit #316 Flow line Release (Incident # nAPP2405244149)
- Twin Lakes SA Unit #027 (Incident # nAPP2405246233)
- Twin Lakes SA Unit #027 Flow line Release (Incident # nAPP2405243873)

Compliance with the Cultural Properties Protection (CPP) Rule is required for the above sites since excavation activities are anticipated to encroach into undisturbed areas. An ARMS review was requested on March 13, 2024. Based on the ARMS review, archaeological pedestrian surveys were necessary. The archaeological surveys were completed by Beaver Creek Archeology on April 12, 2024. The findings of the ARMS reviews and archaeological surveys were submitted to the SLO, and are currently pending review and notice to proceed from the SLO Cultural Resource Office.

Additionally, Oxy intends to drill a soil boring closer to the Twin Lakes sites to confirm depth to groundwater. The current available groundwater data is for a USGS well located between 0.9 and 1.3 miles from the Twin Lakes sites, the well is at a lower elevation, and was most recently measured >25 years ago.

In order to allow time for the SLO to review the ARMS reviews and archaeological survey information, drill a soil boring to confirm depth to water, complete excavation activities, and prepare a closure report or revised remediation work plan, Oxy requests a 90-day extension until September 8, 2024.

Thank you,

| **Aimee Cole**



Associate Principal
720-384-7365
Ensolum, LLC



From: [Hamlet, Robert, EMNRD](#)
To: [Aimee Cole](#)
Cc: "[Dittrich, John W.](#)"; [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#)
Subject: (Extension Denied) - Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #027 (Incident # nAPP2405246233)
Date: Wednesday, December 4, 2024 9:14:11 AM
Attachments: [image005.jpg](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.jpg](#)

[**EXTERNAL EMAIL**]

Aimee,

Your request for a 90-day extension is Denied. This release occurred over 3 years ago. A previous extension had been approved on 06/10/2024. A Remediation Closure Report was due for this incident on 09/09/2024. Due to the sensitive nature of the site location (groundwater <50'), the clean-up at the site needs to be expedited. Please include this e-mail correspondence in the Remediation Closure Report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, December 2, 2024 4:47 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #027 (Incident # nAPP2405246233)

From: Aimee Cole <acole@ensolum.com>
Sent: Monday, December 2, 2024 3:48 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 #027 (Incident # nAPP2405246233)

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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 #027 (Incident # nAPP2405246233).

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 10:10 AM

To: Aimee Cole <acole@ensolum.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

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

Subject: RE: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #027 (Incident # nAPP2405246233)

[****EXTERNAL EMAIL****]

Good morning, Aimee

The extension request for Twin Lakes #027, # nAPP2405246233 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 10:22 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 #027 (Incident # nAPP2405246233)

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 #027 (Incident # nAPP2405246233).

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



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 429736

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429736
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2405246233
Incident Name	NAPP2405246233 TWIN LAKES SA UNIT #027 @ 30-005-60521
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-005-60521] TWIN LAKES SAN ANDRES UNIT #027

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Twin Lakes SA Unit #027
Date Release Discovered	11/01/2021
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>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.</i>	
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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Oil Conservation Division
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QUESTIONS, Page 2

Action 429736

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429736
	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.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/29/2024
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QUESTIONS, Page 3

Action 429736

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429736
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (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 ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<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)	1890
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1395
GRO+DRO (EPA SW-846 Method 8015M)	436
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	06/01/2024
On what date will (or did) the final sampling or liner inspection occur	08/30/2024
On what date will (or was) the remediation complete(d)	08/30/2024
What is the estimated surface area (in square feet) that will be reclaimed	7200
What is the estimated volume (in cubic yards) that will be reclaimed	800
What is the estimated surface area (in square feet) that will be remediated	7200
What is the estimated volume (in cubic yards) that will be remediated	800

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

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

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QUESTIONS, Page 4

Action 429736

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429736
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	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

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

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/29/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 429736

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429736
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 429736

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429736
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	418183
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/10/2025
What was the (estimated) number of samples that were to be gathered	53
What was the sampling surface area in square feet	7720

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	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	7710
What was the total volume (cubic yards) remediated	1169
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	7710
What was the total volume (in cubic yards) reclaimed	1169
Summarize any additional remediation activities not included by answers (above)	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, collect-ed from the final excavation extent, indicated all COC concentrations were compliant with the Site Clo-sure Criteria. Based on excavation and soil sampling activities completed as outlined in the Work Plan, no further remediation is required.

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 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: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/07/2025
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QUESTIONS, Page 7

Action 429736

QUESTIONS (continued)

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	Action Number: 429736
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 429736

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429736
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	2/10/2025
crystal.walker	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	2/10/2025
crystal.walker	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	2/10/2025
crystal.walker	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	2/10/2025