

SPILL VOLUME CALCULATIONS

INPUT DATA: (click "Reset Page" button to return all values to zero)																	
Total Area Calculations						Standing Liquid Calculations (leave blank if 100% of free liquid has been recovered)											
Total Surface Area						Total Surface Area											
saturated soil depth % oil						liquid depth % oil											
Known Area #1	0	acres	or	3678	sq. ft.	3	in	0%	Known Area #1	0	acres	or	0	sq. ft.	0	in	0%
Known Area #2	0	acres	or	0	sq. ft.	0	in	0%	Known Area #2	0	acres	or	0	sq. ft.	0	in	0%
Known Area #3	0	acres	or	0	sq. ft.	0	in	0%	Known Area #3	0	acres	or	0	sq. ft.	0	in	0%
Known Area #4	0	acres	or	0	sq. ft.	0	in	0%	Known Area #4	0	acres	or	0	sq. ft.	0	in	0%
width length						width length											
Rectangle Area #1	0	ft		0	ft	0	in	0%	Rectangle Area #1	0	ft		0	ft	0	in	0%
Rectangle Area #2	0	ft		0	ft	0	in	0%	Rectangle Area #2	0	ft		0	ft	0	in	0%
Rectangle Area #3	0	ft		0	ft	0	in	0%	Rectangle Area #3	0	ft		0	ft	0	in	0%
Rectangle Area #4	0	ft		0	ft	0	in	0%	Rectangle Area #4	0	ft		0	ft	0	in	0%
diameter saturated soil depth % oil						diameter liquid depth % oil											
Circle Area #1	0	ft				0	in	0%	Circle Area #1	0	ft				0	in	0%
Circle Area #2	0	ft				0	in	0%	Circle Area #2	0	ft				0	in	0%
Circle Area #3	0	ft				0	in	0%	Circle Area #3	0	ft				0	in	0%
Circle Area #4	0	ft				0	in	0%	Circle Area #4	0	ft				0	in	0%

Amount of Free Liquid Recovered:	0 bbl	Percentage of Oil in Free Liquid Recovered:	100%
Liquid Holding Factor*:	0.14 gal liquid/gal soil		
(see below)			
Use the following when the spill wets the grains of the soil.		Use the following when the liquid completely fills the pore space of the soil:	
* sand = .08 gallon liquid per gallon volume of soil.		Occurs when the spill soaked soil is contained by barriers, natural (or not).	
* gravelly (caliche) loam = .14 gallon liquid per gallon volume of soil.		* gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.	
* sandy clay loam soil = .14 gallon liquid per gallon volume of soil.		* sandy loam = .5 gallon liquid per gallon volume of soil.	
* clay loam = .16 gallon liquid per gallon volume of soil.			

OUTPUT DATA:				
Saturated Soil Volume Calculations			Free Liquid Volume Calculations	
Total Contaminated Volume:	919.5 cu. ft.	34.1 yds.	Total Free Liquid:	0.0 BBL
			Water	Oil
			0.0 BBL	0.0 BBL
<u>Estimated Volumes Spilled</u>			<u>Estimated Surface Damage</u>	
	Water	Oil	Surface Area:	3,678.0 sq. ft.
Liquid in Soil:	22.9 BBL	0.0 BBL	Surface Area:	0.1 acres
Free Liquid:	0.0 BBL	0.0 BBL		
Free Liquid Recovered:	0.0 BBL	0.0 BBL	<u>Recovered Volumes</u>	
			Estimated oil recovered:	0.0 BBL
			Estimated water recovered:	0.0 BBL
Total Liquid Spilled:	22.9 BBL	0.0 BBL		
	962.9 gal	0.0 gal		



MEWBOURNE
OIL COMPANY

QUEEN 23/24 W0OP FED COM #1H BATTERY

Remediation Activities and Deferral Request

Incident No. nAPP2334726230

Unit O, Section 23, Township 24S, Range 28E

NMNM 077005, 016332, 057252

32.198439, -104.060189 NAD83



2525 NW County Rd
Hobbs, NM 88240
[\(575\) 392-9996](tel:(575)392-9996)

Table of Contents

Introduction	1
Site Information	1
Incident History	2
Cultural and Biological Review	2
Water Resources and Remediation Considerations	4
Soil Remediation Standards	5
Remediation Activities	6
Deferral Request	7
Conclusion	8

Appendices

Appendix A – Depth to Groundwater and Topographical Information
Appendix B – Site Delineation Mapping and Summary Report
Appendix C – Site Photography and Field Notes
Appendix D – Communications and Historical Records
Appendix E – Environmental Resources Review
Appendix F – Lab Results Originals

Introduction

Diamondback Disposal Services, Inc. (Diamondback) has prepared this Remediation Report and Deferral Request for the Queen 23/24 WOOP Federal Com #1H Battery release site, identified under NMOCD Incident No. nAPP2334726230 and Facility ID No. fAPP2125733030, in Eddy County, New Mexico. This report documents the site characterization, remediation activities, and confirmation sampling completed in response to the release and requests deferral of the remaining impacts pursuant to 19.15.29.12(C)(2) NMAC.

The completed work and requested deferral were evaluated in accordance with 19.15.29 NMAC, applicable Bureau of Land Management surface-use requirements, and the BLM Gold Book.

Site Information

Operator of Record: Mewbourne Oil Company

Responsible Party: Mewbourne Oil Company

Facility Name: Queen 23/24 WOOP Federal Com #1H Battery

Facility ID: fAPP2125733030

Facility Type: Tank Battery

Facility Status: Active

Incident No.: nAPP2334726230

GPS Coordinates: 32.198439, -104.060189 (NAD83)

PLSS: Unit N, Section 23, Township 24 South, Range 28 East

Surface Managing Agency: Bureau of Land Management

Federal Oil and Gas Leases: NMNM 077005, NMNM 016332, and NMNM 057252

Start at the intersection of US 285 and Pulley Road:

- Head south on Berry Booster Road for approximately 3.78 miles.
- Head east on Pulley Road for approximately 0.27 mile.
- Turn left and continue north for approximately 0.15 mile.
- The site will be located on the right.

A directional map is provided on the first page of Appendix A.

Incident History

- An equipment failure involving a separator at the Queen 23/24 WOOP Federal Com #1H Battery was discovered on November 28, 2023. The equipment reportedly flooded following a power failure at the air compressor. The incident is documented under OCD Incident No. nAPP2334726230.
- Upon discovery, the source of the release was stopped, the impacted area was secured, released materials were contained, and recoverable liquids and materials were removed and managed appropriately.
- A 90-day extension was approved by the New Mexico Oil Conservation Division on February 21, 2024, to allow additional time for delineation, remediation, and preparation of the closure report.
- A Remediation Closure Report was submitted on May 24, 2024, and denied by the Division on June 3, 2024. The denial identified deficiencies in vertical delineation and stated that sample locations remained above the applicable closure criteria.
- Diamondback Disposal Services, Inc. reviewed the denial and prior remediation documentation and determined that the site should be reevaluated as a new remediation project due to the extent of the deficiencies in the previous work. The original release and sampling data were used to accurately relocate the affected area, and Diamondback restarted site delineation and remediation activities from the beginning.
- The subsequent work included new vertical and horizontal delineation, removal of accessible impacted soils, confirmation sampling, and evaluation of areas where active facility infrastructure prevented further excavation without major facility deconstruction.

Cultural and Biological Review

(See Appendix E for reference materials)

A review of the U.S. Fish and Wildlife Service Information for Planning and Consultation (IPaC) system, the New Mexico Crucial Habitat Assessment Tool (NM CHAT), Bureau of Land Management sensitive species resources, and NatureServe Explorer was conducted to identify federally listed species and other sensitive biological resources within the project area.

- The New Mexico Crucial Habitat Assessment Tool classified the project area as Level 1, the highest relative ranking for crucial wildlife habitat within the six-level statewide screening system. This ranking is intended for planning purposes and is not a regulatory determination.
- Bureau of Land Management sensitive species mapping indicates that the project area does not overlap mapped potential habitat or management areas for the Lesser Prairie-Chicken, Dunes Sagebrush Lizard, or other BLM sensitive species shown on the reviewed mapping.
- A review of the U.S. Fish and Wildlife Service IPaC system identified two federally listed or proposed species that may occur within the broader project vicinity. These species were identified at a regional scale, and no designated or proposed critical habitat overlaps the project area:
 - Northern Aplomado Falcon (*Falco femoralis septentrionalis*) – Experimental, Non-Essential
 - Piping Plover (*Charadrius melodus*) – Threatened
 - Texas Hornshell (*Popenaias popeii*) - Endangered
 - Monarch Butterfly (*Danaus plexippus*), Proposed Threatened

These species are included on the official species list; however, no designated critical habitat for any of these species overlaps the project area.

- NatureServe Explorer identified the Texas Hornshell, Rio Grande Cooter, and Yellow-billed Cuckoo within the selected project area and 100-meter buffer. The report identified three element occurrences and no documented observations.
- Remediation activities were confined to the existing developed tank battery and release footprint. No new surface disturbance occurred outside the existing facility footprint.
- Cultural and biological resource protection measures were implemented in accordance with applicable Bureau of Land Management requirements, the BLM Gold Book, the National

Historic Preservation Act, the Endangered Species Act, the Migratory Bird Treaty Act, and the Bald and Golden Eagle Protection Act.

Water Resources and Remediation Considerations

(See Appendix A for topographical information and mapping)

- Groundwater Depth Category: Between 51 and 75 feet below ground surface. New Mexico Office of the State Engineer record C-03833-POD1 identifies a stock water well approximately 0.3 mile southeast of the excavation area with a reported depth to water of 55 feet below ground surface. The site is within a Bureau of Land Management mapped high karst potential area; therefore, the well information is provided as a reference.
- No groundwater or surface water impact was identified. Available site information, delineation results, and remediation results indicate that the release was limited to soil within the facility footprint.
- The Pecos River is approximately 1.85 miles northeast of the excavation area, placing the site within the 1-to-5-mile continuously flowing or significant watercourse category.
- A mapped riverine wetland is approximately 431 feet east-southeast of the excavation area, within the 300-to-500-foot wetland category.
- Willow Lake is approximately 0.81 mile from the excavation area and falls within the 1/2-to-1-mile lakebed, sinkhole, or playa lake category.
- The Willow Lake RV Park is approximately 1.8 miles south-southwest of the excavation area, placing the closest occupied permanent residence within the 1-to-5-mile category.
- Stock water well C-03833-POD1 is approximately 0.3 mile southeast of the excavation area and has a reported depth to water of 55 feet below ground surface. This location falls within the

1,000-foot-to-1/2-mile category for both a private domestic or stock water well and any other fresh water well or spring.

- The Malaga MDWC SWA is approximately 0.79 mile northwest of the excavation area, within the 1/2-to-1-mile defined municipal fresh water well field category.
- The Nash Draw Mine is approximately 14.98 miles northeast of the excavation area, placing the site within the greater-than-5-mile subsurface mine category.
- Bureau of Land Management mapping classifies the site as having high karst potential.
- The nearest FEMA-mapped 100-year floodplain is approximately 10.53 miles southwest of the excavation area.
- The FEMA-mapped 100-year floodplain is approximately 0.33 mile west-southwest of the excavation area, within the 1,000-foot-to-1/2-mile category.

Soil Remediation Standards

Soil remediation and closure criteria were applied in accordance with Table I of 19.15.29.12 NMAC. Due to the site's location within a Bureau of Land Management mapped high karst potential area, the most stringent Table I criteria applicable to groundwater depths less than 50 feet below ground surface were applied at all depths throughout the remediation area.

(See Table Below)

Table 1: NMAC 19.15.29.12 Closure Criteria

Groundwater Depth	BTEX (mg/kg)	Benzene (mg/kg)	TPH GRO+DRO+MRO (mg/kg)	GRO+DRO (mg/kg)	Chloride (mg/kg)
<50 feet	50	10	100	N/A	600

Remediation Activities

Following review of the June 3, 2024, denial and the deficiencies identified in the previous remediation work, Diamondback Disposal Services treated the site as if it were a newly reported release for remediation purposes. The original release and sampling information was used to accurately relocate the affected area, and the site characterization, delineation, excavation, and confirmation sampling process was restarted from the beginning.

Initial delineation sampling was conducted on February 23, 2026, to evaluate the horizontal and vertical extent of impacted soil within the release footprint. The release was not entirely contained within a lined containment area. Delineation samples were collected from SP1 through SP3 at the surface and at depths of 1, 2, 3, and 4 feet below ground surface. The results demonstrated that the impacts were vertically delineated by 2 feet below ground surface.

Excavation activities were conducted from March 13 through March 27, 2026. Approximately 2,536 square feet of accessible impacted soil were excavated to a depth of 2 feet below ground surface. Within the remaining 3,965 square feet beneath and immediately around active production equipment, hand crews removed all accessible impacted soil to depths ranging from approximately 3 to 6 inches. Further excavation in these areas could not be completed without removing or substantially deconstructing active production equipment and associated facility infrastructure. A total of approximately 248 cubic yards of impacted soil was removed in 14 loads and transported off site for disposal at the R360 Red Bluff facility. Remediation of the accessible excavation area was completed on March 27, 2026.

Prior to confirmation sampling, the New Mexico Oil Conservation Division was notified in accordance with 19.15.29.12(D)(1)(a) NMAC through submission of C-141N Notifications for Final Sampling. Evidence of the sampling notifications is provided in Appendix D, Communications and Historical Records.

Confirmation sampling of the accessible excavation floor and sidewalls was conducted on March 27, 2026. Excavation floor and sidewall samples were collected as five-point composite samples, with each sample representing no more than 200 square feet of excavation surface area. Samples were collected

using decontaminated equipment, placed in laboratory-supplied containers, preserved on ice, and submitted to an accredited laboratory for analysis of chloride, total petroleum hydrocarbons, and BTEX compounds, with full chain of custody maintained throughout collection, handling, and delivery.

Deferral samples DP1 through DP24 were collected after hand crews removed several inches of accessible impacted soil from beneath and immediately around the active production equipment. Horizontal delineation samples H1 through H4 were subsequently collected beyond the affected area. The horizontal samples met the most stringent Table I closure criteria, confirming that the remaining impacts were horizontally delineated.

Analytical results were evaluated using the most stringent Table I closure criteria established in 19.15.29.12 NMAC. All 14 excavation base samples and three sidewall samples met the applicable criteria. Vertical samples collected from SP1 through SP3 demonstrated compliant soil at 2 feet below ground surface, and horizontal samples H1 through H4 demonstrated compliant soil beyond the lateral limits of the affected area. These results confirm that the remaining impacts within the proposed deferral areas are fully delineated horizontally and vertically.

Following confirmation sampling, the 2,536-square-foot excavation area was backfilled with approximately 276 cubic yards of caliche and returned to the existing facility grade. Analytical summaries and associated site maps are provided in Appendix B, and complete laboratory analytical reports are included in Appendix F.

Deferral Request

Diamondback Disposal Services requests written approval from the New Mexico Oil Conservation Division to defer final remediation, restoration, and reclamation of the remaining impacts beneath and immediately around active production equipment at the Queen 23/24 WOOP Federal Com #1H Battery pursuant to 19.15.29.12(C)(2) NMAC. The requested deferral applies to Facility ID fAPP2125733030 and Well API No. 30-015-44250.

The proposed deferral area encompasses approximately 3,965 square feet and contains an estimated 257 cubic yards of soil that will require future remediation. Hand crews removed all accessible

impacted soil to depths ranging from approximately 3 to 6 inches. Further excavation would require the removal or substantial deconstruction of active production vessels, piping, manifolds, structural supports, and associated facility infrastructure.

The remaining impacts are fully delineated horizontally and vertically. Vertical samples collected from SP1 through SP3 demonstrated that the impacts were bounded by compliant soil at 2 feet below ground surface. Horizontal samples H1 through H4 met the most stringent Table I closure criteria and confirmed compliant soil beyond the lateral limits of the affected area.

The remaining contamination does not present an imminent risk to human health, the environment, or groundwater. The impacts are confined to shallow soil within the active production facility, are horizontally and vertically delineated, and have not impacted groundwater or surface water.

Final remediation, restoration, and reclamation of the deferred area will be completed when the obstructing equipment is removed during other operations or when the well or facility is plugged or abandoned, whichever occurs first, in accordance with 19.15.29.12(C)(2) NMAC.

Conclusion

Remediation activities at the Queen 23/24 WOOP Federal Com #1H Battery were conducted in response to OCD Incident No. nAPP2334726230. Approximately 2,536 square feet were excavated, and 248 cubic yards of impacted soil were transported to the R360 Red Bluff facility. Confirmation sampling demonstrated compliance with 19.15.29.12 NMAC, and the excavation was backfilled with approximately 276 cubic yards of caliche and returned to the existing facility grade.

Hand crews removed all accessible impacted soil within the remaining 3,965 square feet beneath and around active production equipment. The remaining impacts are fully delineated and do not present an imminent risk to human health, the environment, or groundwater.

Diamondback Disposal Services respectfully requests written approval to defer final remediation pursuant to 19.15.29.12(C)(2) NMAC. Final remediation will be completed when the obstructing equipment is removed or the well or facility is plugged or abandoned, whichever occurs first.

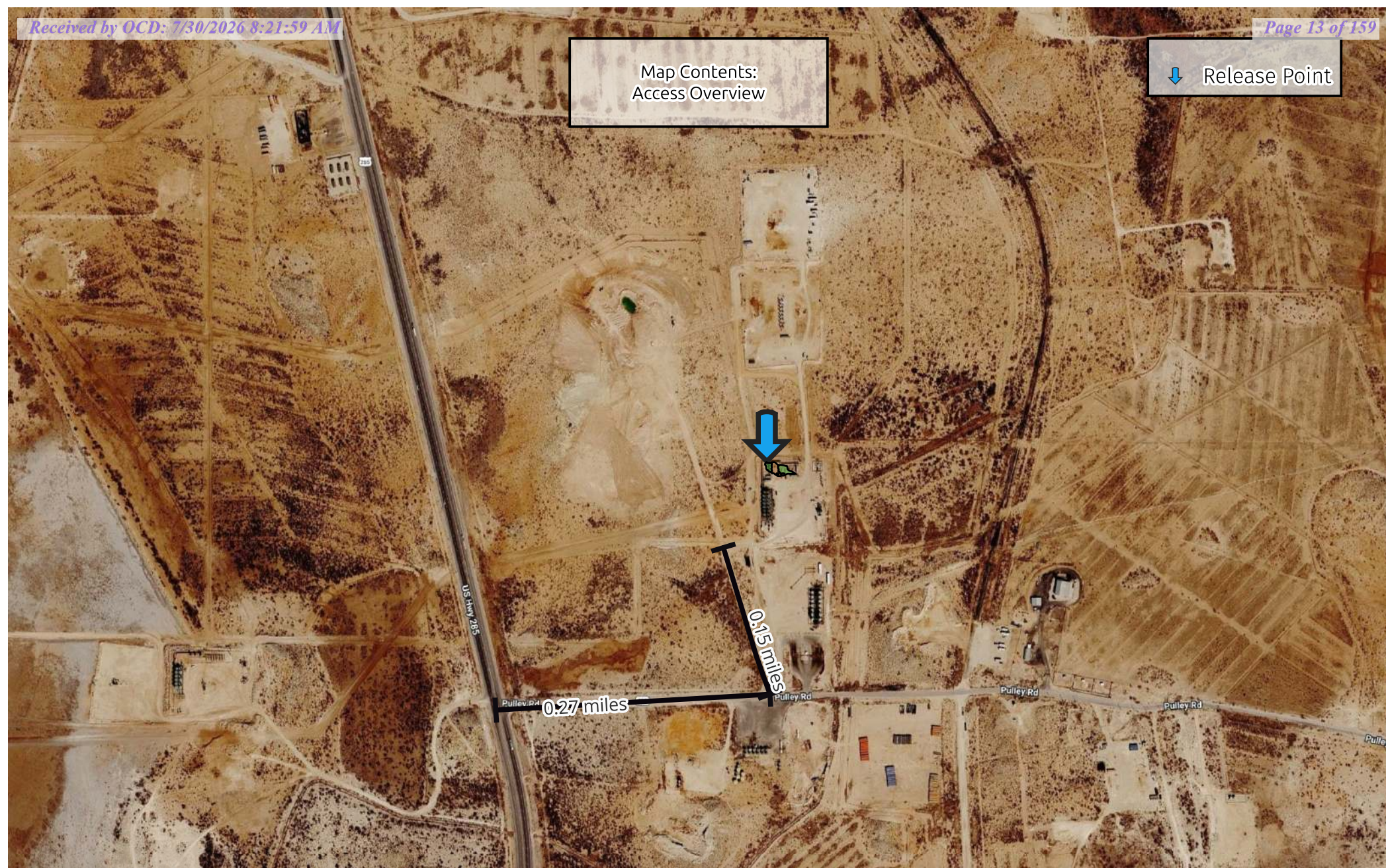
Appendix A

Depth to Groundwater

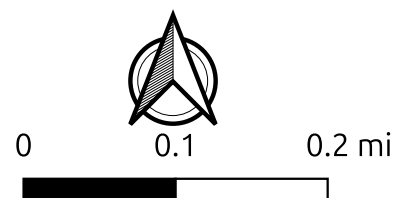
Topographical Information

Map Contents:
Access Overview

↓ Release Point



MEWBOURNE OIL CO
QUEEN 23/24 WOOP FED COM #1H
BATTERY
Incident #nAPP2334726230
32.198439, -104.060189 NAD83
NMNM 077005, 016332, 057252



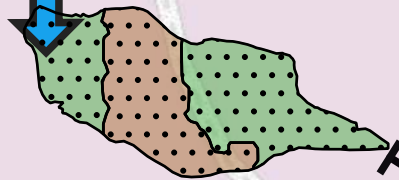
Diamondback Disposal
Services, Inc
P.O. Box 2491
Hobbs, NM 88241
575-392-9996

Map Contents:
Nearest Mapped Wetland

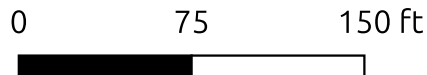
↓ Release Point

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

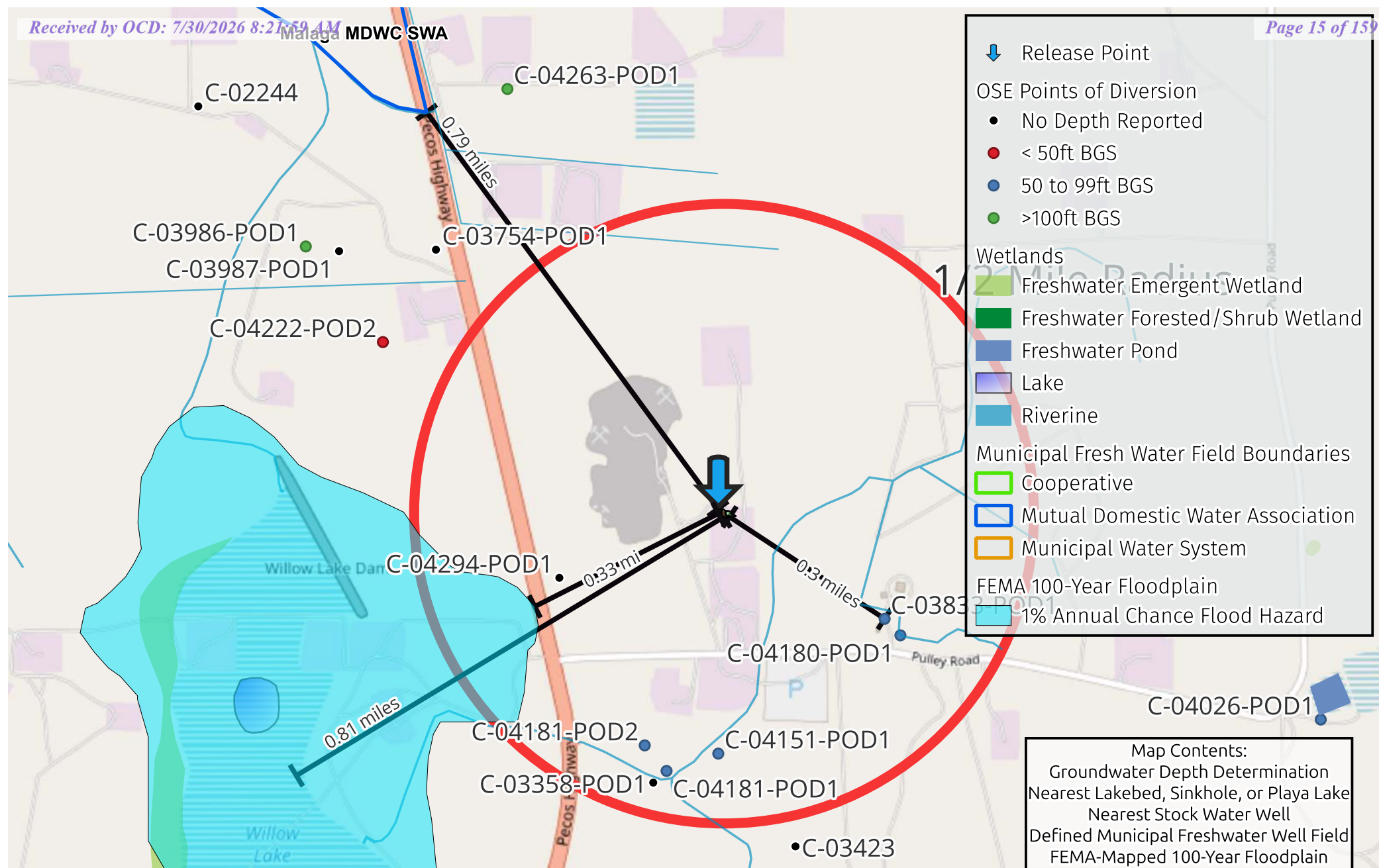


437 ft



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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
DOSWELL NEW MEXICO

2015 MAR 23 PM 1:03

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER)			OSE FILE NUMBER(S) C-3833				
	WELL OWNER NAME(S) Scott Bronson			PHONE (OPTIONAL) 575-885-2066				
	WELL OWNER MAILING ADDRESS 1501 Mountain Shadow			CITY STATE ZIP Carlsbad N.M. 88220				
	WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS				
		LATITUDE 32 11 44 N						
		LONGITUDE 104 3 19 W			* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE N E NW NE Sec. 26 T24S R28E								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD1229	NAME OF LICENSED DRILLER Richard Carter			NAME OF WELL DRILLING COMPANY Carter Well Drilling			
	DRILLING STARTED 2/19/15	DRILLING ENDED 3/6/15	DEPTH OF COMPLETED WELL (FT) 96	BORE HOLE DEPTH (FT) 100	DEPTH WATER FIRST ENCOUNTERED (FT) 55			
	COMPLETED WELL IS:				STATIC WATER LEVEL IN COMPLETED WELL (FT) 45			
	☐ ARTESIAN ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)							
	DRILLING FLUID: ☒ AIR ☐ MUD ☒ ADDITIVES - SPECIFY: foam							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	96	-2.6	9 7/8	PVC Sch 40	glue	6"	.313	
	56	96	9 7/8	PVC Sch 40	glue	6"	.313	.050
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	21	0	9 7/8	cement + 5.2 gal/SK. 3/8 chips	50	tremie shovel		
	21	96	9 7/8		135			

FOR OSE INTERNAL USE
 FILE NUMBER **C-3833** POD NUMBER **I** TRN NUMBER **560718**
 LOCATION **24S-28E-26-2-1-2**

PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

FOR OSE INTERNAL USE

Map Contents:
Nearest Continuously Flowing Watercourse
Nearest Occupied Permanent Residence

↓ Release Point

1 Mile Radius

1.85 miles

1.8 miles



Sun West Salt Mine

Queen Lake

WILLOW LAKE

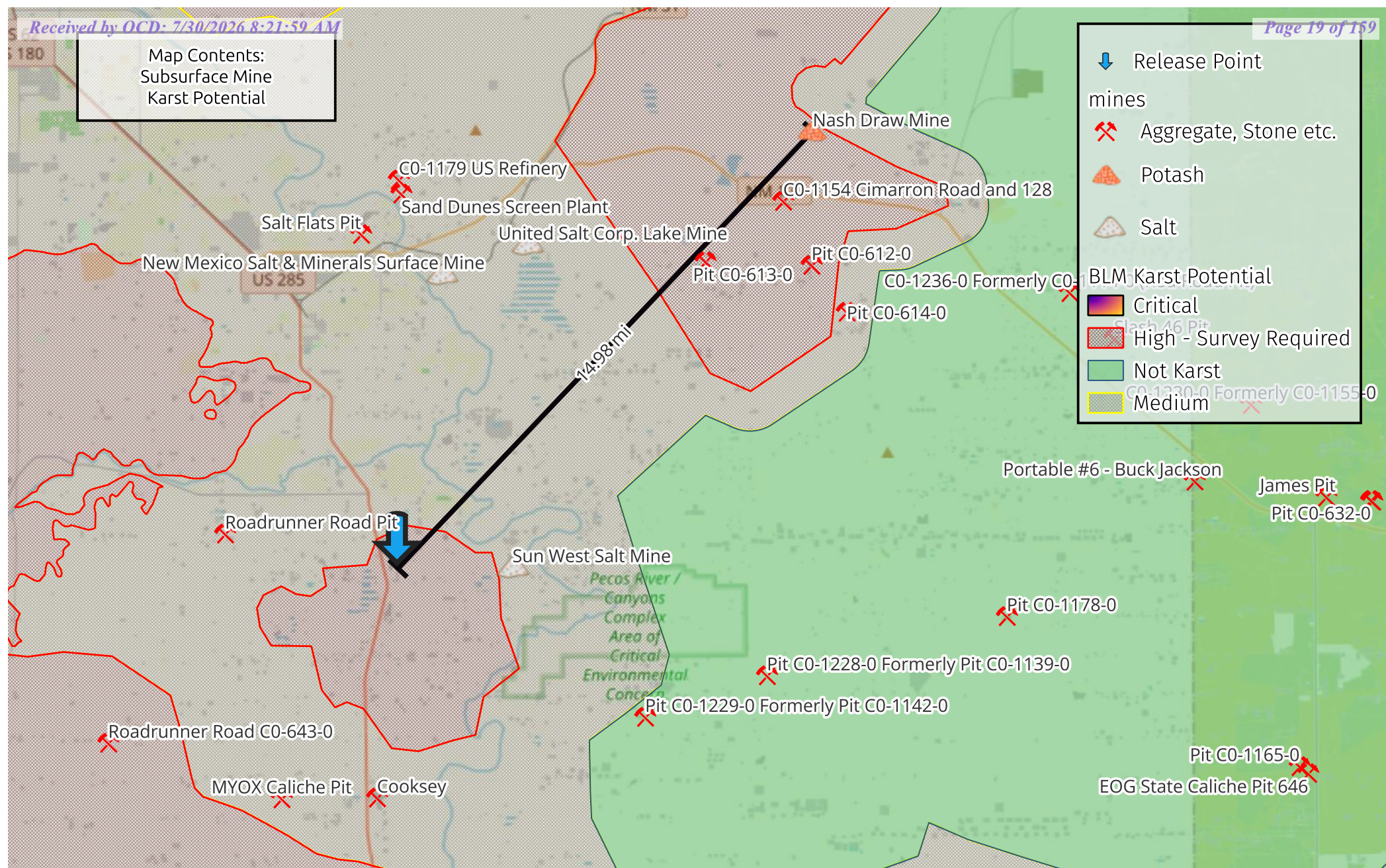
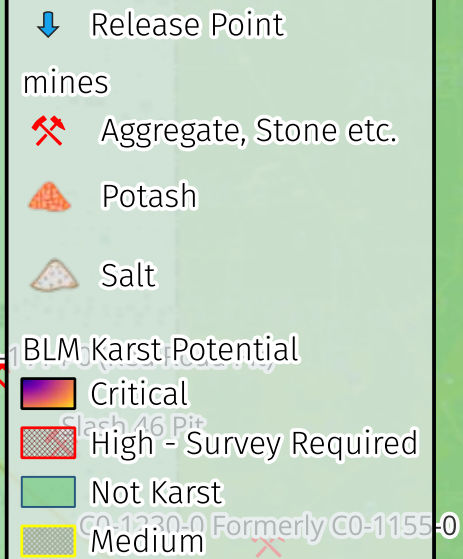
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0 0.5 1 mi

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Map Contents:
Subsurface Mine
Karst Potential



MEWBOURNE OIL CO
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Appendix B

Site Delineation Mapping and Summary Report

Queen 23-24 W00P Fed Com 1H Battery – nAPP2334726230

5PC – Side Wall Summary

SAMPLE ID	LAB ID NUMBER	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE
W1 @ 0-2'	H261748-01	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
W2 @ 0-2'	H261748-02	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
W3 @ 0-2'	H261748-03	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128

Queen 23-24 W00P Fed Com 1H Battery – nAPP2334726230

5PC – Excavation Base Summary

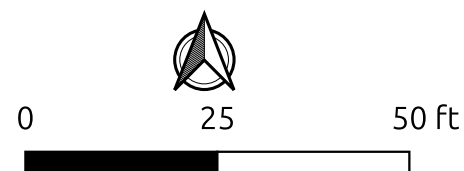
SAMPLE ID	LAB ID NUMBER	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE
B1 @ 2'	H261746-01	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
B2 @ 2'	H261746-02	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
B3 @ 2'	H261746-03	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
B4 @ 2'	H261746-04	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
B5 @ 2'	H261746-05	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
B6 @ 2'	H261746-06	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
B7 @ 2'	H261746-07	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
B8 @ 2'	H261746-08	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
B9 @ 2'	H261746-09	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
B10 @ 2'	H261746-10	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48
B11 @ 2'	H261746-11	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96
B12 @ 2'	H261746-12	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
B13 @ 2'	H261746-13	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
B14 @ 2'	H261746-14	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128

Map Contents:
Excavation Base Location
Sidewall Sample Location

- ↓ Release Point
- Excavation Base "B"
- W1
- W2
- W3
- Excavation
 - 3" to 6"
 - 2'



MEWBOURNE OIL CO
QUEEN 23/24 WOOP FED COM #1H
BATTERY
Incident #nAPP2334726230
32.198439, -104.060189 NAD83
NMNM 077005, 016332, 057252



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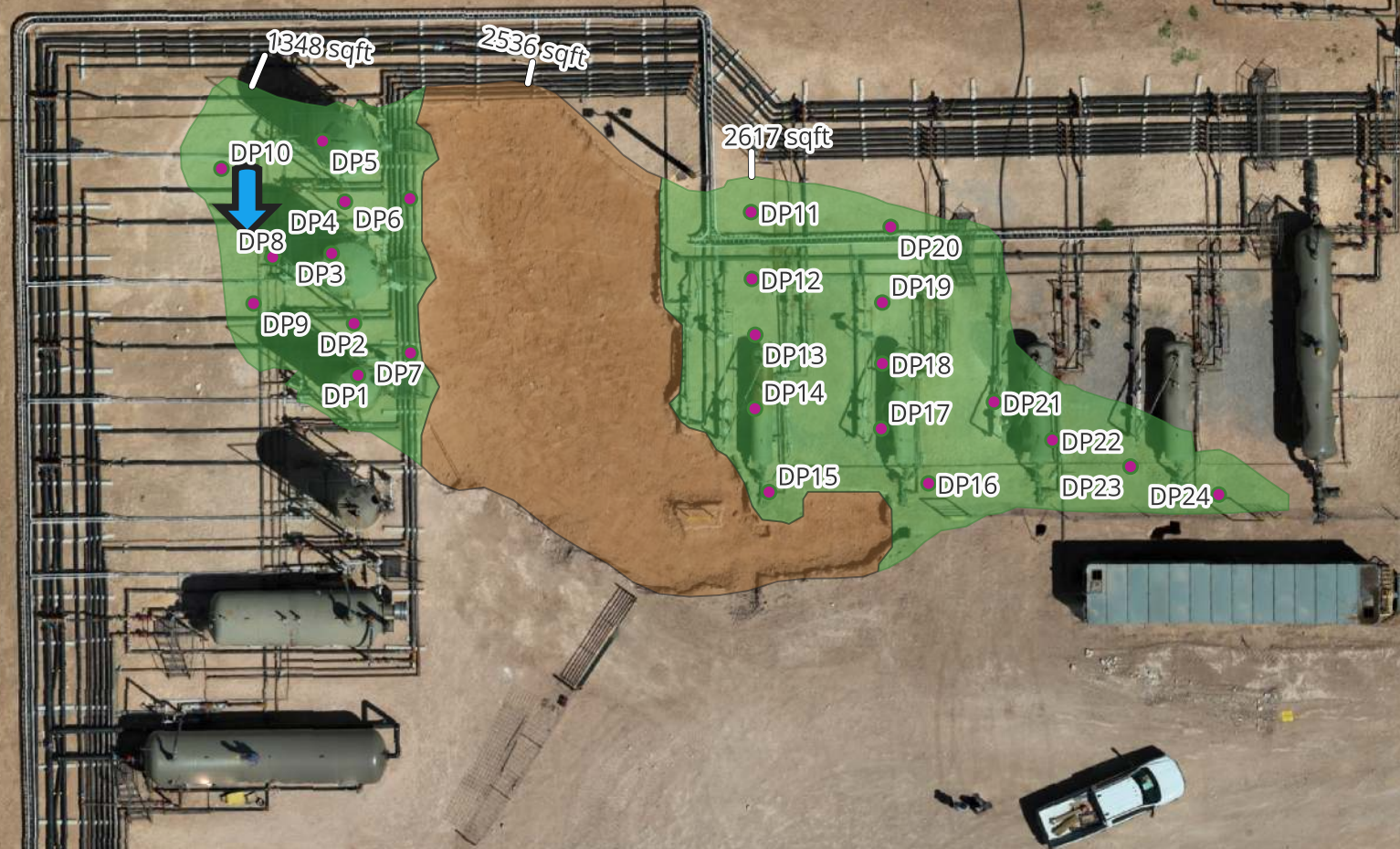
Queen 23-24 W00P Fed Com 1H Battery – nAPP2334726230
5PC – Excavation Base Summary

SAMPLE ID	LAB ID NUMBER	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE
DP1 @ 3"	H261658-01	3/24/26	<0.050	<0.050	<0.050	0.468	0.519	<10.0	319	68	387	12000
DP2 @ 3"	H261658-02	3/24/26	<0.050	<0.050	<0.050	0.465	0.499	<10.0	305	58.9	363.9	8800
DP3 @ 3"	H261658-03	3/24/26	<0.050	<0.050	<0.050	0.3	0.324	<10.0	185	35.1	220.1	9600
DP4 @ 3"	H261658-04	3/24/26	<0.050	<0.050	<0.050	0.421	0.451	<10.0	197	49.6	246.6	9600
DP5 @ 3"	H261658-05	3/24/26	<0.050	<0.050	<0.050	0.512	0.548	<10.0	403	107	510	10000
DP6 @ 3"	H261658-06	3/24/26	<0.050	<0.050	<0.050	0.461	0.494	<10.0	512	138	650	9600
DP7 @ 3"	H261658-07	3/24/26	<0.050	<0.050	<0.050	0.464	0.497	<10.0	588	148	736	9840
DP8 @ 3"	H261658-08	3/24/26	<0.050	<0.050	<0.050	0.592	0.634	<10.0	768	212	980	8960
DP9 @ 6"	H261658-09	3/24/26	<0.050	<0.050	<0.050	0.232	<0.300	<10.0	2510	670	3180	18800
DP10 @ 6"	H261658-10	3/24/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2920	798	3718	7360
DP11 @ 3"	H261747-01	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	289	35.1	324.1	1070
DP12 @ 3"	H261747-02	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	262	35	297	912
DP13 @ 3"	H261747-03	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	75.4	19.1	94.5	864
DP14 @ 3"	H261747-04	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	270	39.2	309.2	912
DP15 @ 3"	H261747-05	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	79	23.4	102.4	1010
DP16 @ 3"	H261747-06	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	86.2	15.8	102	1170
DP17 @ 3"	H261747-07	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	285	32.6	317.6	1040
DP18 @ 3"	H261747-08	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	70.3	18.5	88.8	960
DP19 @ 3"	H261747-09	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	327	44.4	371.4	992
DP20 @ 3"	H261747-10	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	79.5	21.6	101.1	928
DP21 @ 3"	H261747-11	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	388	53	441	1020
DP22 @ 3"	H261747-12	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	245	40.5	285.5	1090
DP23 @ 3"	H261747-13	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	118	29.4	147.4	1140
DP24 @ 3"	H261747-14	3/27/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	345	49	394	1040

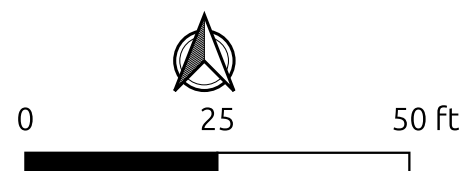
Deferral samples were collected at the surface after hand crews removed all accessible impacted material to depths of either 3 or 6 inches.

Map Contents:
Deferment Area's

-  Release Point
 Deferment Point "DP"
 Excavation
 3" to 6"
 2'



MEWBOURNE OIL CO
 QUEEN 23/24 WOOP FED COM #1H
 BATTERY
 Incident #nAPP2334726230
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Queen 23-24 W00P Fed Com 1H Battery – nAPP2334726230

G – Delineation Summary

SAMPLE ID	LAB ID NUMBER	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE
SP1 @ S	H261030-01	2/23/26	<0.050	<0.050	<0.050	0.793	0.793	<10.0	1190	388	1578	4040
SP1 @ 1'	H261030-02	2/23/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1630
SP1 @ 2'	H261030-03	2/23/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
SP1 @ 3'	H261030-04	2/23/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
SP1 @ 4'	H261030-05	2/23/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
SP2 @ S	H261030-06	2/23/26	<0.050	<0.050	<0.050	0.345	0.345	<10.0	113	198	311	400
SP2 @ 1'	H261030-07	2/23/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1460
SP2 @ 2'	H261030-08	2/23/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96
SP2 @ 3'	H261030-09	2/23/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
SP2 @ 4'	H261030-10	2/23/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
SP3 @ S	H261030-11	2/23/26	<0.050	<0.050	0.152	1.63	1.78	132	1940	184	2256	2510
SP3 @ 1'	H261030-12	2/23/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	185	26.8	211.8	960
SP3 @ 2'	H261030-13	2/23/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	13.7	13.7	400
SP3 @ 3'	H261030-14	2/23/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
SP3 @ 4'	H261030-15	2/23/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96

SP1 and SP3 are located within the deferred remediation areas and were hand-excavated to depths of either 3 or 6 inches, as permitted by the limited working space around the existing facility infrastructure. The results demonstrate that impacts at both locations are fully delineated above 2 feet bgs. SP2 is located in an open area, and the impacted soil has been excavated to its full horizontal and vertical extent. Highlighted samples identify depths where concentrations exceeded the applicable remediation action levels, and red lettering identifies the constituent responsible for each exceedance.

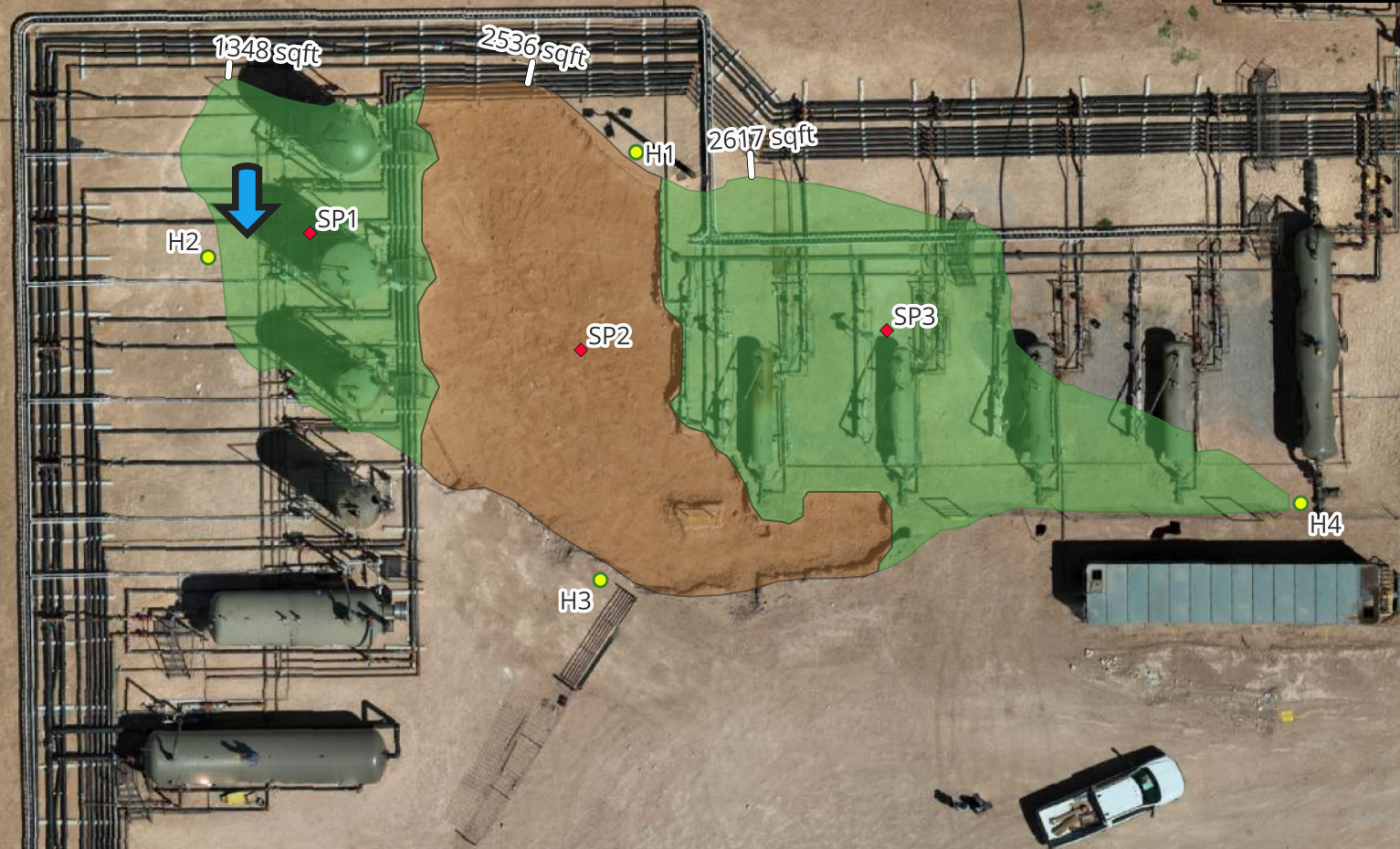
Queen 23-24 W00P Fed Com 1H Battery – nAPP2334726230

G – Horizontal Summary

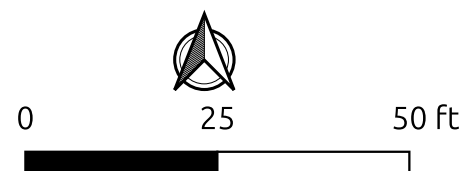
SAMPLE ID	LAB ID NUMBER	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE
H1 @ S	H261783-01	3/30/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
H2 @ S	H261783-02	3/30/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
H3 @ S	H261783-03	3/30/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
H4 @ S	H261783-04	3/30/26	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32

Map Contents:
Vertical and Horizontal
Delineation

-  Release Point
 -  Vertical Sample "SP"
 -  Horizontal Sample "H"
- Excavation
-  3" to 6"
 -  2'



MEWBOURNE OIL CO
QUEEN 23/24 WOOP FED COM #1H
BATTERY
Incident #nAPP2334726230
32.198439, -104.060189 NAD83
NMNM 077005, 016332, 057252

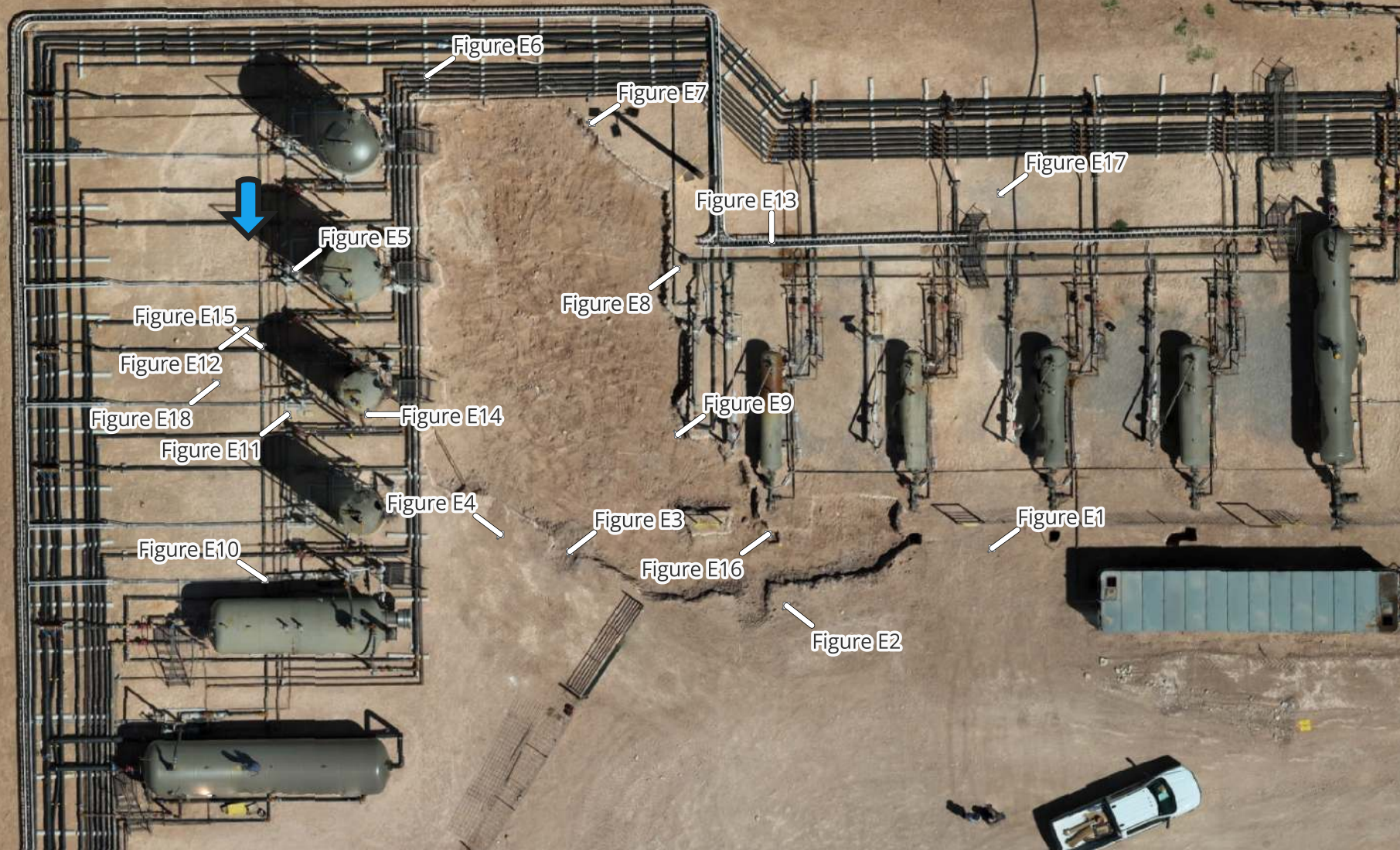


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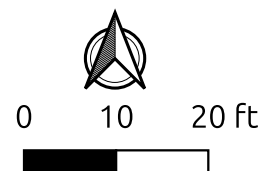
Appendix C Site Photography And Field Notes

Map Contents:
Backfill Photo Locations

↓ Release Point



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QUEEN 23/24 WOOP FED COM #1H
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QUEEN 23/24 W00P FED COM #1H BATTERY

Incident nAPP2334726230

Backfill / Restoration Photos 1-6

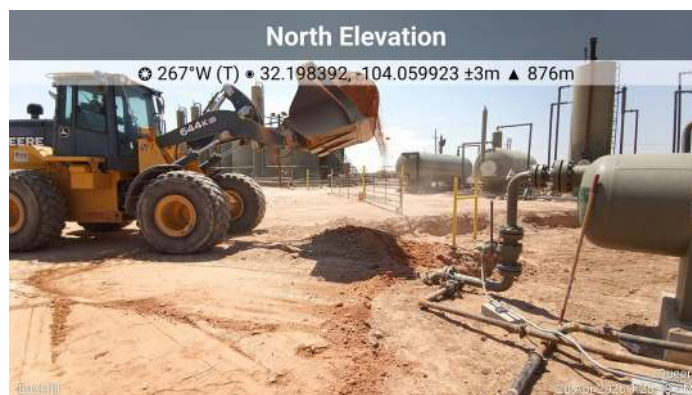


Figure B1

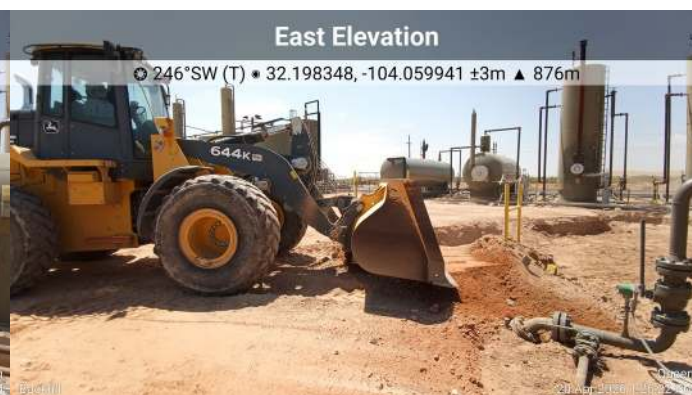


Figure B2

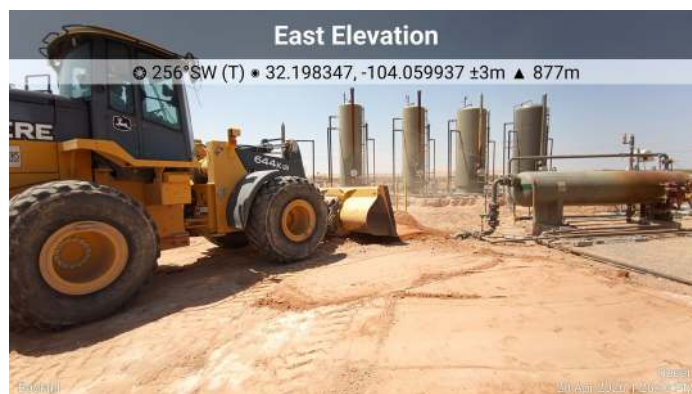


Figure B3



Figure B4



Figure B5

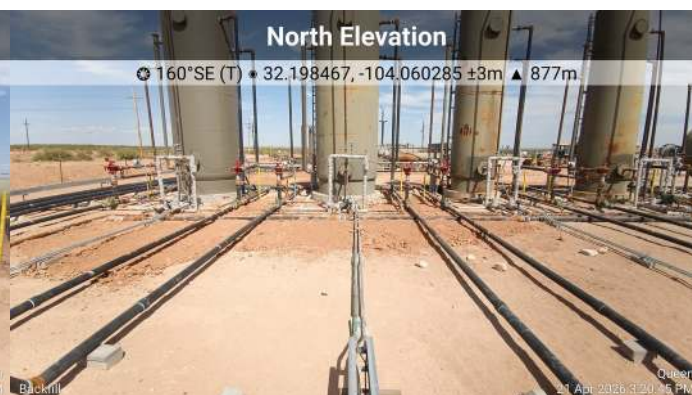


Figure B6

QUEEN 23/24 W00P FED COM #1H BATTERY

Incident nAPP2334726230

Backfill / Restoration Photos 7-12



Figure B7



Figure B8

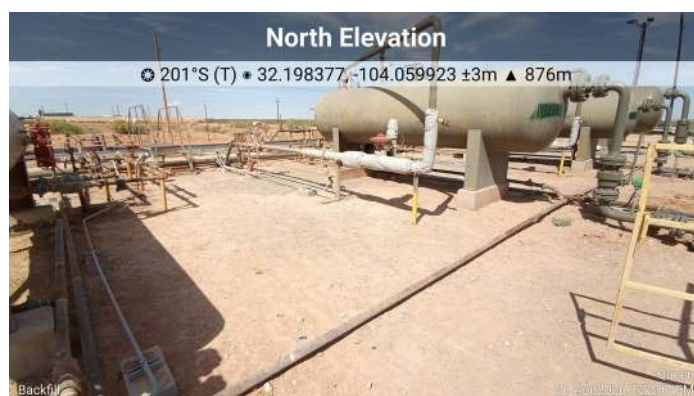


Figure B9



Figure B10



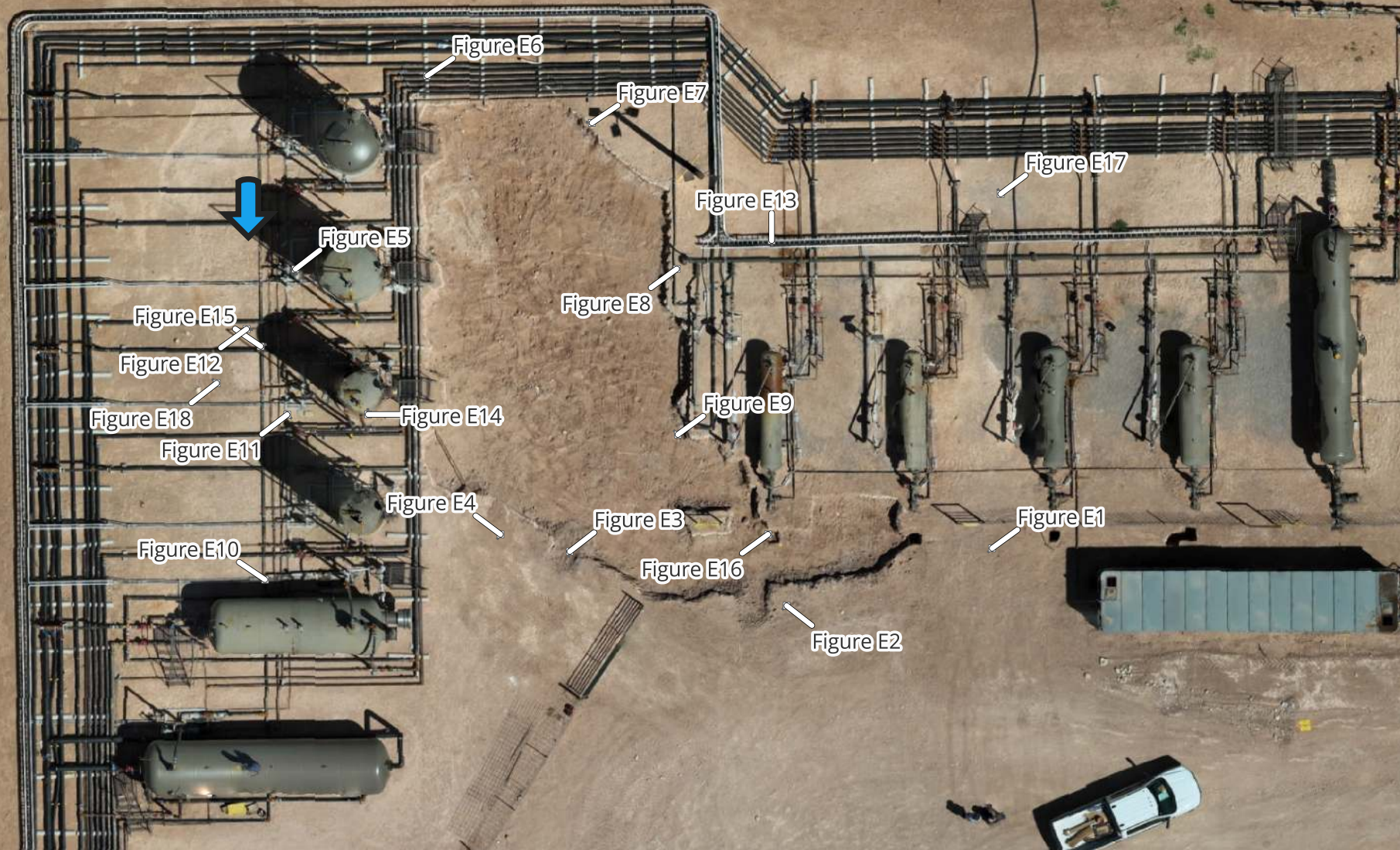
Figure B11



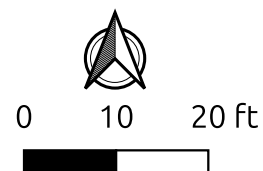
Figure B12

Map Contents:
Excavation Photo Locations

↓ Release Point



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QUEEN 23/24 W00P FED COM #1H BATTERY -- nAPP2334726230
Final Excavation Photos 1-9



Figure E1



Figure E2



Figure E3



Figure E4



Figure E5



Figure E6



Figure E7



Figure E8



Figure E9

QUEEN 23/24 W00P FED COM #1H BATTERY -- nAPP2334726230
Final Excavation Photos 10-18



Figure E10

Figure E11

Figure E12



Figure E13

Figure E14

Figure E15



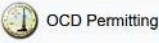
Figure E16

Figure E17

Figure E18

Appendix D

Communications / Historical Records



Home / Searches / Incidents / Incident Details

Searches - Operator Data - **Hearing Fee Application -**

- Request for Hearing
- Request for Continuance

nAPP2334726230 Queen 23-24 W0OP Fed Com 1H Battery

General Incident Information

Well:

Facility:

Operator:

Status:

Stage:

Type:

[14744]

MEWBOURNE OIL CO

Active

Initial C-141 Approved, Pending submission of Site Characterization / Remediation Plan OR Remediation Closure Report from the operator

Produced Water Release

Severity:

Minor

Incident Location:

Lat/Long:

D-23-24S-26E 0 FNL 0 FRI

32.199439,-104.060189 NAD83

District:

Surface Owner:

Artesia

Private

County:

Fordy (15)

Severity Indicators

Resulted In Fire:

Endangered Public Health:

Fresh Water Contamination:

Resulted In Injury:

Will or Has Reached Watercourse:

Property Or Environmental Damage:

Notes

Source of Referral:

Action / Escalation:

Industry Rep

Contact Details

Contact Name:

Contact Title:

Event Dates

Date of Discovery:

Initial C-141 Report Due:

Remediation Closure Report Due:

11/28/2023

12/13/2023

05/21/2024

- Quick Links
- General Incident Information
 - Materials
 - Events
 - Orders
 - Action Status
- Associated Images
- Incident Files (7)
- New Searches
- New Facility Search
 - New Incident Search
 - New Operator Search
 - New Pit Search
 - New Well Search

Incident Dates

19.15.29 NMAC - RELEASES

Type	Action	Received	Denied	Approved
Remediation Closure Report	[347749]	05/24/2024	06/03/2024	
Reemediation Closure Report Extension		02/21/2024		02/21/2024
Sampling Notice	[565334]	03/20/2026		03/20/2026
Sampling Notice	[565333]	03/20/2026		03/20/2026
Sampling Notice	[565332]	03/20/2026		03/20/2026
Sampling Notice	[565331]	03/20/2026		03/20/2026
Sampling Notice	[261010]	12/13/2023		12/13/2023
Remediation Plan	[347749]	05/24/2024	06/03/2024	
Site Characterization	[347749]	05/24/2024	06/03/2024	
Initial C-141 Report	[293918]	12/14/2023		12/15/2023
Notification	[293825]	12/13/2023		12/13/2023

19.15.30 NMAC - REMEDIATION

Type	Action	Received	Denied	Approved
------	--------	----------	--------	----------

Compositional Analysis of Vented and/or Flared Natural Gas

No Compositional Analysis Found

Incident Materials

Cause	Source	Material	Volume				Units
			Unk.	Released	Recovered	Lost	
Equipment Failure	Separator	Crude Oil	☐	2	1	1	BBL
Equipment Failure	Separator	Produced Water	☐	21	4	17	BBL
The concentration of dissolved chloride in the produced water >10,000 mg/l: ☒ Yes ☐ No							

Incident Events

Date	Detail
03/20/2026	The (03/20/2026, C-141N) application [565334] was assigned to this incident.
03/20/2026	The (03/20/2026, C-141N) application [565333] was assigned to this incident.
03/20/2026	The (03/20/2026, C-141N) application [565332] was assigned to this incident.
03/20/2026	The (03/20/2026, C-141N) application [565331] was assigned to this incident.
06/03/2024	The Remediation Closure Report is Denied. A groundwater determination of 51' requires vertical delineation to 2,500 mg/kg (for GRO+DRO+MRO), 1,000 mg/kg (for GRO+DRO), and Chlorides to 10,000 mg/kg. All floor samples must meet OCD Spill Rule Table 1 standards for 51'-100' depth to groundwater determination. The sample locations over the closure criteria standards will need further delineation/excavation. The work will need to occur in 90 days after the report has been reviewed.



	Operator was emailed confirmation of this event.
05/24/2024	The (06/03/2024, C-141) application [347749] was assigned to this incident.
05/24/2024	The (06/03/2024, C-141) application [347749] was assigned to this incident.
02/21/2024	Your request for a 90-day extension to May 21st, 2024, is approved. Please include this e-mail correspondence in the remediation and/or closure report.
02/21/2024	A closure report for the above-mentioned incident, nAPP233472630 - Queen 23-24 WOOD Fod Corn 1H Battery, is due 2/25/2024. Mowbourne would like to request a 90-day extension until May 25, 2024, in order to complete the delineation and closure report for the incident. Mowbourne has begun remediation and has met the remediation standard on the entirety of the release but will need additional time in order to fully delineate the site and complete a closure report.
12/15/2023	The (12/15/2023, C-141) application [293918] was accepted by OCD. The operator was emailed with details of this event.
12/15/2023	C-141 received on 12/14/2023 for release on 11/28/2023. The cause of the release was reported as "Equipment was flooded out due to a power failure at the air compressor."
12/13/2023	The (12/13/2023, C-141N) application [264010] was assigned to this incident.
12/13/2023	The (12/15/2023, C-141) application [293918] was assigned to this incident.
12/13/2023	The (12/13/2023, NOR) application [293925] was assigned to this incident.
12/13/2023	New Incident created by the operator, upon the submission of notification of release.
11/28/2023	Release discovered by the operator.

Incident Severity

Major release as defined by 19.15.28.7(A) NMAC?

☐ Yes ☒ No

Incident Corrective Actions

Initial Response

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

No site characterization data was found for this incident.

Remediation Plan

Have the lateral and vertical extents of contamination been fully delineated? ☒ Yes ☐ No

On what estimated date will the remediation commence?

On what date will (or did) the final sampling occur?

On what date will (or was) the remediation complete(d)?

Release is indicated as not yet fully delineated. Any Deferral Requests received may not be granted for this incident.

No remediation closure report data was found for this incident.

No reclamation report data was found for this incident.

No re-vegetation report data was found for this incident.

Orders

No orders available for this well.

[C-141] Remediation Closure Request C-141 (C-141-V-CLOSURE) Application

Submission Information

Submission ID:	347749	Districts:	Artesia
Operator:	[14744] MEWBOURNE OIL CO	Counties:	Eddy
Description:	MEWBOURNE OIL CO [14744] Queen 23-24 WOOP Fed Com 1H Battery nAPP2334726230		
Status:	Rejected		
Status Date:	06/03/2024		
References (0):			

Forms

Attachments: Water Sources, Scaled Site Map, Field Data, Soil Contaminant, Water Depth, Boring Logs, Photographs, Topo Aerial Maps, Lab Data, Proposed Technique, Estimated Volume, Closure Criteria, Proposed Schedule, Lab Samples OR Liner Integrity, Remediation Activities

Questions

Prerequisites

Incident Operator	[14744] MEWBOURNE OIL CO
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	Unavailable
Incident Facility	Unavailable

Location of Release Source

Please answer all the questions in this group.

Site Name	Queen 23-24 WOOP Fed Com 1H Battery
Date Release Discovered	11/29/2023
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbbls) Details	Cause: Equipment Failure Separator Crude Oil Released: 2 BBL Recovered: 1 BBL Lost: 1 BBL
Produced Water Released (bbbls) Details	Cause: Equipment Failure Separator Produced Water Released: 21 BBL Recovered: 4 BBL Lost: 17 BBL
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbbls) 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)	Not answered
The Nature and Volumes of Release require the following attachments.	

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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
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	Not answered

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 (3) 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.

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 51 and 75 (ft.)
What method was used to determine the depth to ground water?	NM OSE Waters Database Search
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 500 and 1000 (ft.)
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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 500 and 1000 (ft.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site?	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	

Have the lateral and vertical extents of contamination been fully delineated?	Yes
Was this release entirely contained within a lined containment area?	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	

Chloride	(EPA 300.0 or DMA-500 Cl B)	22000
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	3623.1
GRO+DRO	(EPA SW-846 Method 8015M)	2539.8
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.9
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report indicates 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?	12/13/2023
On what date will (or did) the final sampling or liner inspection occur?	12/18/2023
On what date will (or was) the remediation complete(d)?	12/27/2023
What is the estimated surface area (in square feet) that will be reclaimed?	3677
What is the estimated volume (in cubic yards) that will be reclaimed?	64
What is the estimated surface area (in square feet) that will be remediated?	3677
What is the estimated volume (in cubic yards) that will be remediated?	32

These estimated values 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.

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	TEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state:	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report indicates 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: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 05/24/2024
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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.

Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	No
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Sampling Event Information

Last sampling notification (C-141N) recorded	294010
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/18/2023
What was the (estimated) number of samples that were to be gathered?	27
What was the sampling surface area in square feet?	4600

Remediation Closure Request

Only answer the questions in this group if seeking notification closure for this release because all remediation efforts 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	3677
What was the total volume (cubic yards) remediated	32
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	3677
What was the total volume (in cubic yards) reclaimed	64
Summarize any additional remediation activities not included by answers (above)	Please see attached report for complete activities.

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: Connor Walker

Title: Senior Engineer

Email: cwalker@meabourne.com

Date: 05/24/2024

Reclamation Report

Only answer the questions in this group if all reclamation steps have been completed.

Requesting a reclamation approval with this submission	No
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Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

No conditions found for this submission.

Reasons

Summary:	revised (6/30/24). The Remediation Closure Report is Denied. A groundwater determination of 51' requires vertical delineation to 2,500 mg/kg (for GRO+DRO+MRO), 1,000 mg/kg (for GRO+DRO), and Chlorides to 10,000 mg/kg. All floor samples must meet OCD Spill Rule Table 1 standards for 51'-100' depth to groundwater determination. The sample locations over the closure criteria standards will need further delineation/excavation. The work will need to occur in 90 days after the report has been reviewed.
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Go Back

Appendix E

Environmental Resources Review

Map Contents:
Curcial Habitat Assessment Tool

↓ Release Point

NMCHAT Level

- 1
- 2
- 3
- 4
- 5
- 6



Pecos River /
Canyons
Complex
Area of
Critical
Environmental
Concern

MEWBOURNE OIL CO
QUEEN 23/24 WOOP FED COM #1H
BATTERY
Incident #nAPP2334726230
32.198439, -104.060189 NAD83
NMNM 077005, 016332, 057252



Diamondback Disposal
Services, Inc
P.O. Box 2491
Hobbs, NM 88241
575-392-9996

 Release Point

Potential Habitat (Planning Area Only)

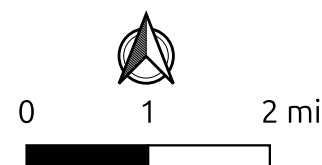
 Allred's Flax Guadalupe Mountains and Foothills Gypsum milkvetch Gypsum wild buckwheat Kuenzler's hedgehog cactus Lee's pincushion cactus Scheer's beehive cactus Tharp's blue-star Wright's waterwillow Lesser Prairie Chicken TR

Lesser Prairie Chicken Habitat

 Core Management Area Habitat Evaluation Area Isolated Population Area Primary Population Area Sparse and Scattered Population Area Dunes Sage Brush Lizard HabitatMap Contents:
BLM Sensitive Areas

1 Mile Radius

US 285

Pecos River /
Canyons
Complex
Area of
Critical
Environmental
ConcernMEWBOURNE OIL CO
QUEEN 23/24 WOOP FED COM #1H
BATTERYIncident #nAPP2334726230
32.198439, -104.060189 NAD83
NMNM 077005, 016332, 057252Diamondback Disposal
Services, Inc
P.O. Box 2491
Hobbs, NM 88241
575-392-9996



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
Phone: (505) 346-2525 Fax: (505) 346-2542



In Reply Refer To:

07/24/2026 19:02:50 UTC

Project Code: 2026-0121127

Project Name: nAPP2334726230 | NAPP2334726230 QUEEN 23-24 W0OP FED COM 1H
BATTERY @ 0 | MEWBOURNE OIL CO | 74.13 f

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

Thank you for your recent request for information on federally listed species and important wildlife habitats that may occur in your project area. The U.S. Fish and Wildlife Service (Service) has responsibility for certain species of New Mexico wildlife under the Endangered Species Act (ESA) of 1973 as amended (16 USC 1531 *et seq.*), the Migratory Bird Treaty Act as amended (16 USC 701-715), and the Bald and Golden Eagle Protection Act as amended (16 USC 668-668(c)). We are providing the following guidance to assist you in determining which federally imperiled species may or may not occur within your project area, and to recommend some conservation measures that can be included in your project design.

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the ESA of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the ESA is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the ESA and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (NEPA; 42 USC 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at <https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>.

Candidate Species and Other Sensitive Species

A list of candidate and other sensitive species in your area is also attached. Candidate species and other sensitive species are species that have no legal protection under the ESA, although we recommend that candidate and other sensitive species be included in your surveys and considered for planning purposes. The Service monitors the status of these species. If significant declines occur, these species could potentially be listed. Therefore, actions that may contribute to their decline should be avoided.

Lists of sensitive species including State-listed endangered and threatened species are compiled by New Mexico State agencies. These lists, along with species information, can be found at the following websites.

Biota Information System of New Mexico (BISON-M): www.bison-m.org

New Mexico State Forestry. The New Mexico Endangered Plant Program:
<https://www.emnrd.nm.gov/sfd/rare-plants/>

New Mexico Rare Plant Technical Council, New Mexico Rare Plants: nmrareplants.unm.edu

Natural Heritage New Mexico, online species database: nhnm.unm.edu

WETLANDS AND FLOODPLAINS

Under Executive Orders 11988 and 11990, Federal agencies are required to minimize the destruction, loss, or degradation of wetlands and floodplains, and preserve and enhance their natural and beneficial values. These habitats should be conserved through avoidance, or mitigated to ensure that there would be no net loss of wetlands function and value.

We encourage you to use the National Wetland Inventory (NWI) maps in conjunction with ground-truthing to identify wetlands occurring in your project area. The Service's NWI program website, www.fws.gov/wetlands/Data/Mapper.html, integrates digital map data with other resource information. We also recommend you contact the U.S. Army Corps of Engineers for permitting requirements under section 404 of the Clean Water Act if your proposed action could impact floodplains or wetlands.

MIGRATORY BIRDS

In addition to responsibilities to protect threatened and endangered species under the ESA, there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the Service (50 CFR 10.12 and 16 USC 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a Federal nexus) or a Bird/Eagle Conservation Plan (when there is no Federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>. We also recommend review of the Birds of Conservation Concern list (<https://www.fws.gov/media/birds-conservation-concern-2021>) to fully evaluate the effects to the birds at your site. This list identifies migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent top conservation priorities for the Service, and are potentially threatened by disturbance, habitat impacts, or other project development activities.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 thereby provides additional protection for both migratory birds and migratory bird habitat. Please visit <https://www.fws.gov/partner/council-conservation-migratory-birds> for information regarding the implementation of Executive Order 13186.

Project code: 2026-0121127

07/24/2026 19:02:50 UTC

We suggest you contact the New Mexico Department of Game and Fish, and the New Mexico Energy, Minerals, and Natural Resources Department, Forestry Division for information regarding State protected and at-risk species fish, wildlife, and plants.

For further consultation with the Service we recommend submitting inquiries or assessments electronically to our incoming email box at nmesfo@fws.gov, where it will be more promptly routed to the appropriate biologist for review.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
(505) 346-2525

Project code: 2026-0121127

07/24/2026 19:02:50 UTC

PROJECT SUMMARY

Project Code: 2026-0121127

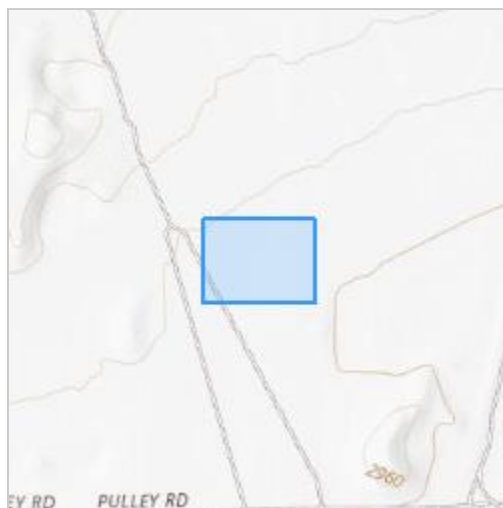
Project Name: nAPP2334726230 | NAPP2334726230 QUEEN 23-24 W00P FED COM
1H BATTERY @ 0 | MEWBOURNE OIL CO | 74.13 f

Project Type: Non-NPL Site Remediation

Project Description: spill remediation

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.198267,-104.05988507515931,14z>



Counties: Eddy County, New Mexico

ENDANGERED SPECIES ACT SPECIES

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Project code: 2026-0121127

07/24/2026 19:02:50 UTC

BIRDS

NAME	STATUS
Northern Aplomado Falcon <i>Falco femoralis septentrionalis</i> Population: U.S.A (AZ, NM) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1923 General project design guidelines: https://ipac.ecosphere.fws.gov/project/BM6NM2MQXJD35CSSFNILQ674GI/documents/generated/8928.pdf	Experimental Population, Non- Essential
Piping Plover <i>Charadrius melodus</i> Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039	Threatened

CLAMS

NAME	STATUS
Texas Hornshell <i>Popenaias popeii</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/919 General project design guidelines: https://ipac.ecosphere.fws.gov/project/BM6NM2MQXJD35CSSFNILQ674GI/documents/generated/9180.pdf	Endangered

INSECTS

NAME	STATUS
Monarch butterfly <i>Danaus plexippus</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

Project code: 2026-0121127

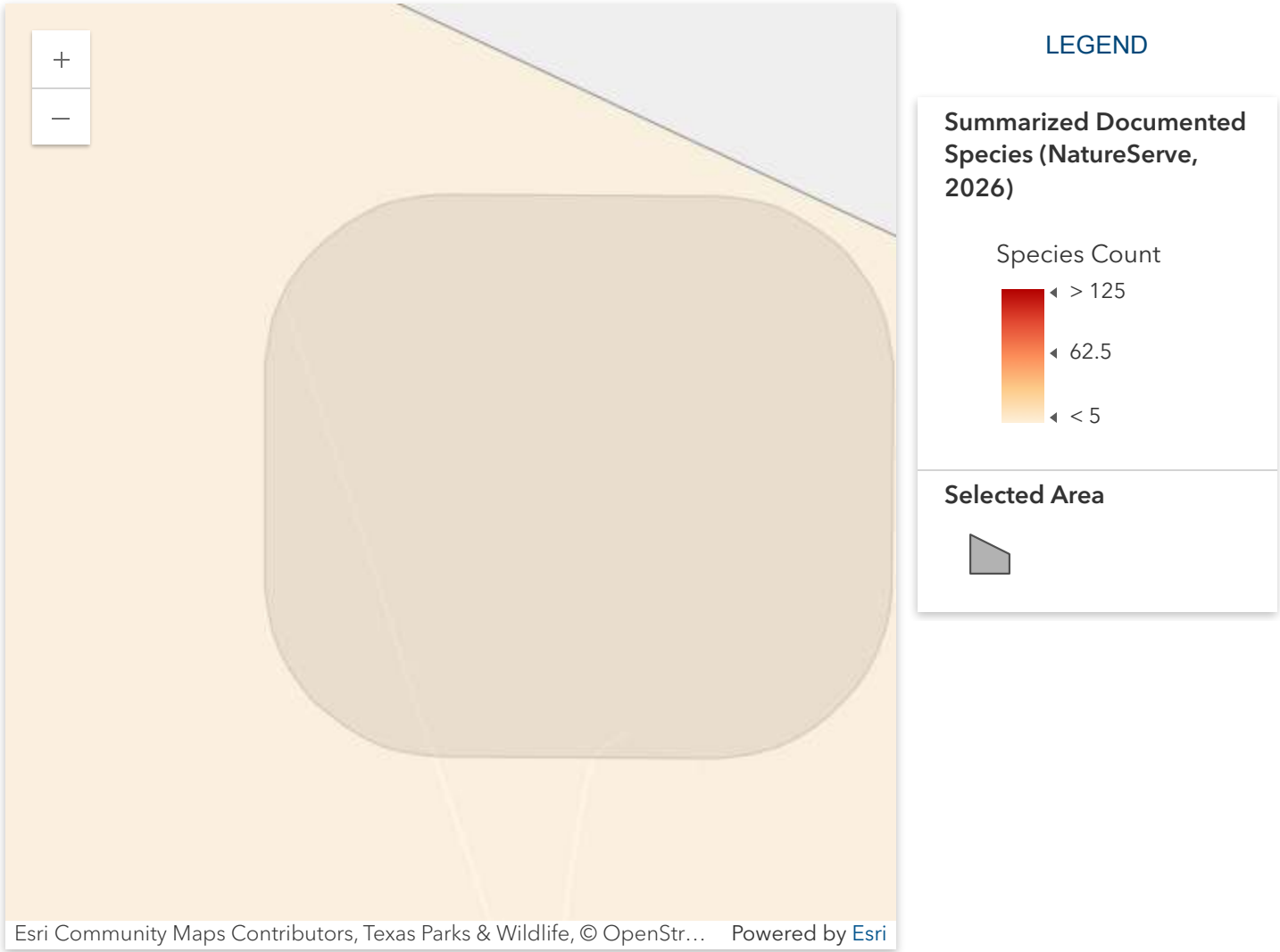
07/24/2026 19:02:50 UTC

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Jason Owsley
Address: 2525 NW County Road
City: Hobbs
State: NM
Zip: 88240
Email: jasono@diamondbacknm.com
Phone: 5756025998



Biodiversity Report for Selected Area



Current Search Criteria

Data Source: NatureServe Network Data

Area: queen-Selected Shape 0 (+100 m)

Counts of public data within the hexagons intersecting the searched area:

Species: 3

Observations: 0

Element occurrences: 3

Please refer to [NatureServe Explorer map details](#) for important metadata about how the precision level of distribution data can affect search results.

This report does not satisfy or replace regulatory review requirements. More information may be available from these NatureServe Network programs:

- [Natural Heritage New Mexico](#)
(<https://nmert.org/>)

Counts of public data within the hexagons intersecting the searched area:

Species: 3

Observations: 0

Element occurrences: 3

Rows per page: 10 ▾ 1–3 of 3

Documented Species	Informal Taxonomy	Rounded NatureServe Global Status ▾	Legal Status	Element Occurrence Count	Observation Count	Species Map
Popenaias popeii Texas Hornshell	Freshwater Mussels	G1: Critically Imperiled	USESAs: 'E'	1	0	VIEW MAP
Pseudemys gorzugi Rio Grande Cooter	Turtles	G3: Vulnerable		1	0	VIEW MAP
Coccyzus americanus Yellow-billed Cuckoo	Birds	G5: Secure		1	0	VIEW MAP

Rows per page: 10 ▾ 1–3 of 3

Sources

NatureServe Network Programs:

- Natural Heritage New Mexico
(<https://nmert.org/>)
-



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Eddy Area, New Mexico



July 24, 2026

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

Preface..... 2

How Soil Surveys Are Made.....5

Soil Map..... 8

 Soil Map.....9

 Legend.....10

 Map Unit Legend..... 11

 Map Unit Descriptions.....11

 Eddy Area, New Mexico.....13

 Ah—Anthony sandy loam, 0 to 1 percent slopes..... 13

 Ku—Karro loam, 1 to 3 percent slopes..... 14

References..... 16

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

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scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

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identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map



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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot

 Sinkhole

 Slide or Slip

 Sodic Spot

 Spoil Area

 Stony Spot

 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals

Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 21, Sep 9, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 22, 2025—Apr 12, 2025

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Ah	Anthony sandy loam, 0 to 1 percent slopes	4.0	89.2%
Ku	Karro loam, 1 to 3 percent slopes	0.5	10.8%
Totals for Area of Interest		4.5	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

Custom Soil Resource Report

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

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Eddy Area, New Mexico**Ah—Anthony sandy loam, 0 to 1 percent slopes****Map Unit Setting**

National map unit symbol: 1w3x
Landscape: Alluvial plains
Elevation: 3,000 to 4,000 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 200 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Anthony and similar soils: 95 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Anthony**Setting**

Landscape: Alluvial plains
Landform: Alluvial fans, Flood plains
Landform position (three-dimensional): Talf, rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Alluvium derived from sedimentary rock

Typical profile

H1 - 0 to 6 inches: sandy loam
H2 - 6 to 60 inches: sandy loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 2s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

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Minor Components**Harkey**

Percent of map unit: 3 percent
Landscape: Alluvial plains
Landform: Alluvial fans, Flood plains
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R070BC036NM - Salt Flats
Hydric soil rating: Yes

Arno

Percent of map unit: 2 percent
Landscape: Alluvial plains
Landform: Flood plains, Alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R070BC033NM - Salty Bottomland
Hydric soil rating: Yes

Ku—Karro loam, 1 to 3 percent slopes**Map Unit Setting**

National map unit symbol: 1w4w
Landscape: Uplands
Elevation: 2,500 to 5,300 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 120 to 230 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Karro and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Karro**Setting**

Landscape: Uplands
Landform: Alluvial fans, Valley plains
Landform position (three-dimensional): Riser, rise, talf
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 10 inches: loam

Custom Soil Resource Report

H2 - 10 to 90 inches: loam

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 60 percent

Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: High (about 10.5 inches)

Interpretive groups

Land capability classification (irrigated): 2s

Land capability classification (nonirrigated): 6s

Hydrologic Soil Group: C

Ecological site: R070BC030NM - Limy

Hydric soil rating: No

Minor Components**Reeves**

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Karro

Percent of map unit: 1 percent

Ecological site: R070BC030NM - Limy

Hydric soil rating: No

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Custom Soil Resource Report

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Appendix F Lab Results Originals



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

February 27, 2026

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: QUEEN 23-24 W00P FED COM 1

Enclosed are the results of analyses for samples received by the laboratory on 02/23/26 16:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
Reported:	02/27/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 1 @ SURFACE (H261030-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2026	ND	2.14	107	2.00	2.72	
Toluene*	<0.050	0.050	02/25/2026	ND	2.13	106	2.00	2.84	
Ethylbenzene*	<0.050	0.050	02/25/2026	ND	2.34	117	2.00	7.07	
Total Xylenes*	0.793	0.150	02/25/2026	ND	7.07	118	6.00	7.93	GC-NC1
Total BTX	0.793	0.300	02/25/2026	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 117 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4040	16.0	02/24/2026	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2026	ND	208	104	200	0.597	
DRO >C10-C28*	1190	10.0	02/24/2026	ND	192	96.1	200	0.417	
EXT DRO >C28-C36	388	10.0	02/24/2026	ND					

Surrogate: 1-Chlorooctane 76.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 107 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
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Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 1 @ 1' (H261030-02)

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	02/25/2026	ND	2.14	107	2.00	2.72		
Toluene*	<0.050	0.050	02/25/2026	ND	2.13	106	2.00	2.84		
Ethylbenzene*	<0.050	0.050	02/25/2026	ND	2.34	117	2.00	7.07		
Total Xylenes*	<0.150	0.150	02/25/2026	ND	7.07	118	6.00	7.93		
Total BTEX	<0.300	0.300	02/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1630	16.0	02/24/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2026	ND	208	104	200	0.597	
DRO >C10-C28*	<10.0	10.0	02/24/2026	ND	192	96.1	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	02/24/2026	ND					

Surrogate: 1-Chlorooctane 82.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.5 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
Reported:	02/27/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 1 @ 2' (H261030-03)

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	02/25/2026	ND	2.14	107	2.00	2.72		
Toluene*	<0.050	0.050	02/25/2026	ND	2.13	106	2.00	2.84		
Ethylbenzene*	<0.050	0.050	02/25/2026	ND	2.34	117	2.00	7.07		
Total Xylenes*	<0.150	0.150	02/25/2026	ND	7.07	118	6.00	7.93		
Total BTEX	<0.300	0.300	02/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	02/24/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2026	ND	208	104	200	0.597	
DRO >C10-C28*	<10.0	10.0	02/24/2026	ND	192	96.1	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	02/24/2026	ND					

Surrogate: 1-Chlorooctane 82.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.7 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
Reported:	02/27/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 1 @ 3' (H261030-04)

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	02/25/2026	ND	2.14	107	2.00	2.72		
Toluene*	<0.050	0.050	02/25/2026	ND	2.13	106	2.00	2.84		
Ethylbenzene*	<0.050	0.050	02/25/2026	ND	2.34	117	2.00	7.07		
Total Xylenes*	<0.150	0.150	02/25/2026	ND	7.07	118	6.00	7.93		
Total BTEX	<0.300	0.300	02/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	02/24/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2026	ND	208	104	200	0.597	
DRO >C10-C28*	<10.0	10.0	02/24/2026	ND	192	96.1	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	02/24/2026	ND					

Surrogate: 1-Chlorooctane 84.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.1 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
Reported:	02/27/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 1 @ 4' (H261030-05)

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	02/25/2026	ND	2.14	107	2.00	2.72		
Toluene*	<0.050	0.050	02/25/2026	ND	2.13	106	2.00	2.84		
Ethylbenzene*	<0.050	0.050	02/25/2026	ND	2.34	117	2.00	7.07		
Total Xylenes*	<0.150	0.150	02/25/2026	ND	7.07	118	6.00	7.93		
Total BTEX	<0.300	0.300	02/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/24/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2026	ND	208	104	200	0.597	
DRO >C10-C28*	<10.0	10.0	02/24/2026	ND	192	96.1	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	02/24/2026	ND					

Surrogate: 1-Chlorooctane 88.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.3 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
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 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
Reported:	02/27/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 2 @ SURFACE (H261030-06)

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	02/25/2026	ND	2.14	107	2.00	2.72		
Toluene*	<0.050	0.050	02/25/2026	ND	2.13	106	2.00	2.84		
Ethylbenzene*	<0.050	0.050	02/25/2026	ND	2.34	117	2.00	7.07		
Total Xylenes*	0.345	0.150	02/25/2026	ND	7.07	118	6.00	7.93	GC-NC1	
Total BTEX	0.345	0.300	02/25/2026	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 119 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	02/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2026	ND	180	89.9	200	1.37	
DRO >C10-C28*	113	10.0	02/24/2026	ND	175	87.5	200	0.0349	
EXT DRO >C28-C36	198	10.0	02/24/2026	ND					

Surrogate: 1-Chlorooctane 81.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.2 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
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 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
Reported:	02/27/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 2 @ 1' (H261030-07)

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	02/25/2026	ND	2.14	107	2.00	2.72		
Toluene*	<0.050	0.050	02/25/2026	ND	2.13	106	2.00	2.84		
Ethylbenzene*	<0.050	0.050	02/25/2026	ND	2.34	117	2.00	7.07		
Total Xylenes*	<0.150	0.150	02/25/2026	ND	7.07	118	6.00	7.93		
Total BTEX	<0.300	0.300	02/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1460	16.0	02/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2026	ND	180	89.9	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/24/2026	ND	175	87.5	200	0.0349	
EXT DRO >C28-C36	<10.0	10.0	02/24/2026	ND					

Surrogate: 1-Chlorooctane 79.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.9 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
Reported:	02/27/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 2 @ 2' (H261030-08)

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	02/25/2026	ND	1.95	97.4	2.00	7.88		
Toluene*	<0.050	0.050	02/25/2026	ND	1.90	94.8	2.00	2.00		
Ethylbenzene*	<0.050	0.050	02/25/2026	ND	1.99	99.6	2.00	1.51		
Total Xylenes*	<0.150	0.150	02/25/2026	ND	5.72	95.3	6.00	1.34		
Total BTEX	<0.300	0.300	02/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2026	ND	180	89.9	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/24/2026	ND	175	87.5	200	0.0349	
EXT DRO >C28-C36	<10.0	10.0	02/24/2026	ND					

Surrogate: 1-Chlorooctane 79.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.8 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
Reported:	02/27/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 2 @ 3' (H261030-09)

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	02/25/2026	ND	1.95	97.4	2.00	7.88		
Toluene*	<0.050	0.050	02/25/2026	ND	1.90	94.8	2.00	2.00		
Ethylbenzene*	<0.050	0.050	02/25/2026	ND	1.99	99.6	2.00	1.51		
Total Xylenes*	<0.150	0.150	02/25/2026	ND	5.72	95.3	6.00	1.34		
Total BTEX	<0.300	0.300	02/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2026	ND	180	89.9	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/24/2026	ND	175	87.5	200	0.0349	
EXT DRO >C28-C36	<10.0	10.0	02/24/2026	ND					

Surrogate: 1-Chlorooctane 81.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.7 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
Reported:	02/27/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 2 @ 4' (H261030-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2026	ND	1.95	97.4	2.00	7.88		
Toluene*	<0.050	0.050	02/25/2026	ND	1.90	94.8	2.00	2.00		
Ethylbenzene*	<0.050	0.050	02/25/2026	ND	1.99	99.6	2.00	1.51		
Total Xylenes*	<0.150	0.150	02/25/2026	ND	5.72	95.3	6.00	1.34		
Total BTX	<0.300	0.300	02/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2026	ND	180	89.9	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/24/2026	ND	175	87.5	200	0.0349	
EXT DRO >C28-C36	<10.0	10.0	02/24/2026	ND					

Surrogate: 1-Chlorooctane 88.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.0 % 39.9-141

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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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
Reported:	02/27/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 3 @ SURFACE (H261030-11)

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	02/25/2026	ND	1.95	97.4	2.00	7.88		
Toluene*	<0.050	0.050	02/25/2026	ND	1.90	94.8	2.00	2.00	GC-NC	
Ethylbenzene*	0.152	0.050	02/25/2026	ND	1.99	99.6	2.00	1.51	GC-NC1	
Total Xylenes*	1.63	0.150	02/25/2026	ND	5.72	95.3	6.00	1.34	GC-NC1	
Total BTEX	1.78	0.300	02/25/2026	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2510	16.0	02/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	132	10.0	02/24/2026	ND	180	89.9	200	1.37		
DRO >C10-C28*	1940	10.0	02/24/2026	ND	175	87.5	200	0.0349		
EXT DRO >C28-C36	184	10.0	02/24/2026	ND						

Surrogate: 1-Chlorooctane 108 % 52.4-130

Surrogate: 1-Chlorooctadecane 147 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
Reported:	02/27/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 3 @ 1' (H261030-12)

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	02/25/2026	ND	1.95	97.4	2.00	7.88		
Toluene*	<0.050	0.050	02/25/2026	ND	1.90	94.8	2.00	2.00		
Ethylbenzene*	<0.050	0.050	02/25/2026	ND	1.99	99.6	2.00	1.51		
Total Xylenes*	<0.150	0.150	02/25/2026	ND	5.72	95.3	6.00	1.34		
Total BTEX	<0.300	0.300	02/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	02/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2026	ND	180	89.9	200	1.37	
DRO >C10-C28*	185	10.0	02/24/2026	ND	175	87.5	200	0.0349	
EXT DRO >C28-C36	26.8	10.0	02/24/2026	ND					

Surrogate: 1-Chlorooctane 83.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
Reported:	02/27/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 3 @ 2' (H261030-13)

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	02/25/2026	ND	1.95	97.4	2.00	7.88		
Toluene*	<0.050	0.050	02/25/2026	ND	1.90	94.8	2.00	2.00		
Ethylbenzene*	<0.050	0.050	02/25/2026	ND	1.99	99.6	2.00	1.51		
Total Xylenes*	<0.150	0.150	02/25/2026	ND	5.72	95.3	6.00	1.34		
Total BTEX	<0.300	0.300	02/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	02/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2026	ND	180	89.9	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/24/2026	ND	175	87.5	200	0.0349	
EXT DRO >C28-C36	13.7	10.0	02/24/2026	ND					

Surrogate: 1-Chlorooctane 76.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
Reported:	02/27/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 3 @ 3' (H261030-14)

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	02/25/2026	ND	1.95	97.4	2.00	7.88		
Toluene*	<0.050	0.050	02/25/2026	ND	1.90	94.8	2.00	2.00		
Ethylbenzene*	<0.050	0.050	02/25/2026	ND	1.99	99.6	2.00	1.51		
Total Xylenes*	<0.150	0.150	02/25/2026	ND	5.72	95.3	6.00	1.34		
Total BTEX	<0.300	0.300	02/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	02/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2026	ND	180	89.9	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/24/2026	ND	175	87.5	200	0.0349	
EXT DRO >C28-C36	<10.0	10.0	02/24/2026	ND					

Surrogate: 1-Chlorooctane 84.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/23/2026	Sampling Date:	02/23/2026
Reported:	02/27/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: SP 3 @ 4' (H261030-15)

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	02/25/2026	ND	1.95	97.4	2.00	7.88		
Toluene*	<0.050	0.050	02/25/2026	ND	1.90	94.8	2.00	2.00		
Ethylbenzene*	<0.050	0.050	02/25/2026	ND	1.99	99.6	2.00	1.51		
Total Xylenes*	<0.150	0.150	02/25/2026	ND	5.72	95.3	6.00	1.34		
Total BTEX	<0.300	0.300	02/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2026	ND	180	89.9	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/24/2026	ND	175	87.5	200	0.0349	
EXT DRO >C28-C36	<10.0	10.0	02/24/2026	ND					

Surrogate: 1-Chlorooctane 93.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 91.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Diamondback Disposal Services										P.O. #:										ANALYSIS REQUEST									
Project Manager: Justin Roberts										Company: MEWBOURNE																			
Address: 2525 NW County Rd										Attn: JEFF BROOM																			
City: Hobbs										Address: 88240																			
Phone #: [575]392-9996										Fax #: 88240																			
Project #: MOC-1055										City: Address:																			
Project Name: QUEEN 23-24 W00P FED COM 1										State: Zip:																			
Project Location: 32 198159 -104 0605										Phone #: Fax #:																			
Sample Name: JULIO RIVERA										PRESERV. SAMPLING																			
FOR LAB USE ONLY																													
Lab I.D. Sample I.D.																													
1401020																													
SP1 @ SURFACE										(G)RAB OR (C)OMP.																			
SP1 @ 1'										G 1																			
SP1 @ 2'										G 1																			
SP1 @ 3'										G 1																			
SP1 @ 4'										G 1																			
SP2 @ SURFACE										G 1																			
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101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 30, 2026

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: QUEEN 23-24 W00P FED COM 1

Enclosed are the results of analyses for samples received by the laboratory on 03/25/26 10:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/25/2026	Sampling Date:	03/24/2026
Reported:	03/30/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 1 @ 3" (H261658-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2026	ND	2.08	104	2.00	0.413	
Toluene*	<0.050	0.050	03/26/2026	ND	1.86	92.9	2.00	0.211	
Ethylbenzene*	<0.050	0.050	03/26/2026	ND	1.78	89.1	2.00	0.273	
Total Xylenes*	0.468	0.150	03/26/2026	ND	5.28	88.0	6.00	0.0321	
Total BTX	0.519	0.300	03/26/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	03/25/2026	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2026	ND	193	96.5	200	1.07	
DRO >C10-C28*	319	10.0	03/25/2026	ND	196	98.1	200	1.30	
EXT DRO >C28-C36	68.0	10.0	03/25/2026	ND					

Surrogate: 1-Chlorooctane 80.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.3 % 39.9-141

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 03/25/2026
 Reported: 03/30/2026
 Project Name: QUEEN 23-24 W00P FED COM 1
 Project Number: MOC - 1055
 Project Location: MEWBOURNE 32.198159-104.0605

Sampling Date: 03/24/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DP 2 @ 3" (H261658-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2026	ND	2.08	104	2.00	0.413		
Toluene*	<0.050	0.050	03/26/2026	ND	1.86	92.9	2.00	0.211		
Ethylbenzene*	<0.050	0.050	03/26/2026	ND	1.78	89.1	2.00	0.273		
Total Xylenes*	0.465	0.150	03/26/2026	ND	5.28	88.0	6.00	0.0321		
Total BTEX	0.499	0.300	03/26/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	03/25/2026	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2026	ND	193	96.5	200	1.07	
DRO >C10-C28*	305	10.0	03/25/2026	ND	196	98.1	200	1.30	
EXT DRO >C28-C36	58.9	10.0	03/25/2026	ND					

Surrogate: 1-Chlorooctane 76.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.4 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 03/25/2026
 Reported: 03/30/2026
 Project Name: QUEEN 23-24 W00P FED COM 1
 Project Number: MOC - 1055
 Project Location: MEWBOURNE 32.198159-104.0605

Sampling Date: 03/24/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DP 3 @ 3" (H261658-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2026	ND	2.08	104	2.00	0.413		
Toluene*	<0.050	0.050	03/26/2026	ND	1.86	92.9	2.00	0.211		
Ethylbenzene*	<0.050	0.050	03/26/2026	ND	1.78	89.1	2.00	0.273		
Total Xylenes*	0.300	0.150	03/26/2026	ND	5.28	88.0	6.00	0.0321		
Total BTEX	0.324	0.300	03/26/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9600	16.0	03/25/2026	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2026	ND	193	96.5	200	1.07	
DRO >C10-C28*	185	10.0	03/25/2026	ND	196	98.1	200	1.30	
EXT DRO >C28-C36	35.1	10.0	03/25/2026	ND					

Surrogate: 1-Chlorooctane 80.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.4 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 03/25/2026
 Reported: 03/30/2026
 Project Name: QUEEN 23-24 W00P FED COM 1
 Project Number: MOC - 1055
 Project Location: MEWBOURNE 32.198159-104.0605

Sampling Date: 03/24/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DP 4 @ 3" (H261658-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2026	ND	2.08	104	2.00	0.413		
Toluene*	<0.050	0.050	03/26/2026	ND	1.86	92.9	2.00	0.211		
Ethylbenzene*	<0.050	0.050	03/26/2026	ND	1.78	89.1	2.00	0.273		
Total Xylenes*	0.421	0.150	03/26/2026	ND	5.28	88.0	6.00	0.0321		
Total BTEX	0.451	0.300	03/26/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9600	16.0	03/25/2026	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2026	ND	194	96.8	200	0.329	
DRO >C10-C28*	197	10.0	03/25/2026	ND	196	98.0	200	0.648	
EXT DRO >C28-C36	49.6	10.0	03/25/2026	ND					

Surrogate: 1-Chlorooctane 68.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 67.8 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 03/25/2026
 Reported: 03/30/2026
 Project Name: QUEEN 23-24 W00P FED COM 1
 Project Number: MOC - 1055
 Project Location: MEWBOURNE 32.198159-104.0605

Sampling Date: 03/24/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DP 5 @ 3" (H261658-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2026	ND	2.08	104	2.00	0.413		
Toluene*	<0.050	0.050	03/26/2026	ND	1.86	92.9	2.00	0.211		
Ethylbenzene*	<0.050	0.050	03/26/2026	ND	1.78	89.1	2.00	0.273		
Total Xylenes*	0.512	0.150	03/26/2026	ND	5.28	88.0	6.00	0.0321		
Total BTEX	0.548	0.300	03/26/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10000	16.0	03/25/2026	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2026	ND	194	96.8	200	0.329	
DRO >C10-C28*	403	10.0	03/25/2026	ND	196	98.0	200	0.648	
EXT DRO >C28-C36	107	10.0	03/25/2026	ND					

Surrogate: 1-Chlorooctane 82.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.4 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 03/25/2026
 Reported: 03/30/2026
 Project Name: QUEEN 23-24 W00P FED COM 1
 Project Number: MOC - 1055
 Project Location: MEWBOURNE 32.198159-104.0605

Sampling Date: 03/24/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DP 6 @ 3" (H261658-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2026	ND	2.08	104	2.00	0.413		
Toluene*	<0.050	0.050	03/26/2026	ND	1.86	92.9	2.00	0.211		
Ethylbenzene*	<0.050	0.050	03/26/2026	ND	1.78	89.1	2.00	0.273		
Total Xylenes*	0.461	0.150	03/26/2026	ND	5.28	88.0	6.00	0.0321		
Total BTEX	0.494	0.300	03/26/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9600	16.0	03/25/2026	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2026	ND	194	96.8	200	0.329	
DRO >C10-C28*	512	10.0	03/25/2026	ND	196	98.0	200	0.648	
EXT DRO >C28-C36	138	10.0	03/25/2026	ND					

Surrogate: 1-Chlorooctane 83.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.6 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 03/25/2026
 Reported: 03/30/2026
 Project Name: QUEEN 23-24 W00P FED COM 1
 Project Number: MOC - 1055
 Project Location: MEWBOURNE 32.198159-104.0605

Sampling Date: 03/24/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DP 7 @ 3" (H261658-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2026	ND	2.08	104	2.00	0.413		
Toluene*	<0.050	0.050	03/26/2026	ND	1.86	92.9	2.00	0.211		
Ethylbenzene*	<0.050	0.050	03/26/2026	ND	1.78	89.1	2.00	0.273		
Total Xylenes*	0.464	0.150	03/26/2026	ND	5.28	88.0	6.00	0.0321		
Total BTEX	0.497	0.300	03/26/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9840	16.0	03/25/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2026	ND	194	96.8	200	0.329	
DRO >C10-C28*	588	10.0	03/25/2026	ND	196	98.0	200	0.648	
EXT DRO >C28-C36	148	10.0	03/25/2026	ND					

Surrogate: 1-Chlorooctane 82.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.4 % 39.9-141

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 03/25/2026
 Reported: 03/30/2026
 Project Name: QUEEN 23-24 W00P FED COM 1
 Project Number: MOC - 1055
 Project Location: MEWBOURNE 32.198159-104.0605

Sampling Date: 03/24/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DP 8 @ 3" (H261658-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2026	ND	2.08	104	2.00	0.413	
Toluene*	<0.050	0.050	03/26/2026	ND	1.86	92.9	2.00	0.211	
Ethylbenzene*	<0.050	0.050	03/26/2026	ND	1.78	89.1	2.00	0.273	
Total Xylenes*	0.592	0.150	03/26/2026	ND	5.28	88.0	6.00	0.0321	
Total BTEX	0.634	0.300	03/26/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8960	16.0	03/25/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2026	ND	194	96.8	200	0.329	
DRO >C10-C28*	768	10.0	03/25/2026	ND	196	98.0	200	0.648	
EXT DRO >C28-C36	212	10.0	03/25/2026	ND					

Surrogate: 1-Chlorooctane 62.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 64.3 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 03/25/2026
 Reported: 03/30/2026
 Project Name: QUEEN 23-24 W00P FED COM 1
 Project Number: MOC - 1055
 Project Location: MEWBOURNE 32.198159-104.0605

Sampling Date: 03/24/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DP 9 @ 6" (H261658-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2026	ND	2.08	104	2.00	0.413	
Toluene*	<0.050	0.050	03/26/2026	ND	1.86	92.9	2.00	0.211	
Ethylbenzene*	<0.050	0.050	03/26/2026	ND	1.78	89.1	2.00	0.273	
Total Xylenes*	0.232	0.150	03/26/2026	ND	5.28	88.0	6.00	0.0321	
Total BTEX	<0.300	0.300	03/26/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18800	16.0	03/25/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2026	ND	194	96.8	200	0.329	
DRO >C10-C28*	2510	10.0	03/25/2026	ND	196	98.0	200	0.648	
EXT DRO >C28-C36	670	10.0	03/25/2026	ND					

Surrogate: 1-Chlorooctane 73.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 140 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 03/25/2026
 Reported: 03/30/2026
 Project Name: QUEEN 23-24 W00P FED COM 1
 Project Number: MOC - 1055
 Project Location: MEWBOURNE 32.198159-104.0605

Sampling Date: 03/24/2026
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DP 10 @ 6" (H261658-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2026	ND	2.08	104	2.00	0.413		
Toluene*	<0.050	0.050	03/26/2026	ND	1.86	92.9	2.00	0.211		
Ethylbenzene*	<0.050	0.050	03/26/2026	ND	1.78	89.1	2.00	0.273		
Total Xylenes*	<0.150	0.150	03/26/2026	ND	5.28	88.0	6.00	0.0321		
Total BTEX	<0.300	0.300	03/26/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7360	16.0	03/25/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2026	ND	194	96.8	200	0.329	
DRO >C10-C28*	2920	10.0	03/25/2026	ND	196	98.0	200	0.648	
EXT DRO >C28-C36	798	10.0	03/25/2026	ND					

Surrogate: 1-Chlorooctane 80.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 127 % 39.9-141

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO										ANALYSIS REQUEST																			
Company Name: Diamondback Disposal Services					P.O. #:																								
Project Manager: Justin Roberts					Company: MEWBOURNE																								
Address: 2525 NW County Rd.					Attn: JEFF BROOM																								
City: Hobbs					State: NM Zip: 88240																								
Phone #: (575)392-9996					Fax #:																								
Project #: MOC-1055					Project Owner:																								
Project Name: QUEEN 23-24 W00P FED COM 1					State: Zip:																								
Project Location: 32.198159,-104.0605					Phone #:																								
Sample Name: ISRAEL BACA					Fax #:																								
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME	
H201058		DP1 @ 3"		C 1		X		X		X		X		X		X		X		X		X		X		X		X	
		DP2 @ 3"		C 1		X		X		X		X		X		X		X		X		X		X		X		X	
		DP3 @ 3"		C 1		X		X		X		X		X		X		X		X		X		X		X		X	
		DP4 @ 3"		C 1		X		X		X		X		X		X		X		X		X		X		X		X	
		DP5 @ 3"		C 1		X		X		X		X		X		X		X		X		X		X		X		X	
		DP6 @ 3"		C 1		X		X		X		X		X		X		X		X		X		X		X		X	
		DP7 @ 3"		C 1		X		X		X		X		X		X		X		X		X		X		X		X	
		DP8 @ 3"		C 1		X		X		X		X		X		X		X		X		X		X		X		X	
		DP9 @ 6"		C 1		X		X		X		X		X		X		X		X		X		X		X		X	
		DP10 @ 6"		C 1		X		X		X		X		X		X		X		X		X		X		X		X	
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Relinquished By:					Date: 3/25/2026					Received By:					Date: 3/25/2026					Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #:									
Relinquished By:					Time: 10:53					Received By:					Time: 10:53					All Results are emailed. Please provide Email address:									
Relinquished By:					Date:					Received By:					Date:					REMARKS:									
Relinquished By:					Time:					Received By:					Time:					Turnaround Time:									
Delivered By: (Circle One)					Observed Temp. °C: -4.0					Sample Condition Cool Intact ☐ Yes ☐ No					CHECKED BY: (Initials) SR					Thermometer ID #140									
Sampler - UPS - Bus - Other:					Corrected Temp. °C: 3.9					Cool Intact ☐ Yes ☐ No										Correction Factor +0.1°C									
																				Standard ☒ ☐ Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ No									
																				Observed Temp. °C									
																				Corrected Temp. °C									

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



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

April 02, 2026

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: QUEEN 23-24 W00P FED COM 1

Enclosed are the results of analyses for samples received by the laboratory on 03/27/26 16:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: B 1 @ 2' (H261746-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2026	ND	2.02	101	2.00	0.787	
Toluene*	<0.050	0.050	03/31/2026	ND	1.80	90.1	2.00	0.0802	
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	1.74	87.1	2.00	0.215	
Total Xylenes*	<0.150	0.150	03/31/2026	ND	5.13	85.5	6.00	0.0870	
Total BTX	<0.300	0.300	03/31/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/30/2026	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	213	106	200	0.846	
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	216	108	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND					

Surrogate: 1-Chlorooctane 92.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: B 2 @ 2' (H261746-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/31/2026	ND	2.02	101	2.00	0.787		
Toluene*	<0.050	0.050	03/31/2026	ND	1.80	90.1	2.00	0.0802		
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	1.74	87.1	2.00	0.215		
Total Xylenes*	<0.150	0.150	03/31/2026	ND	5.13	85.5	6.00	0.0870		
Total BTEX	<0.300	0.300	03/31/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/30/2026	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	213	106	200	0.846	
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	216	108	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND					

Surrogate: 1-Chlorooctane 99.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: B 3 @ 2' (H261746-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/31/2026	ND	2.02	101	2.00	0.787		
Toluene*	<0.050	0.050	03/31/2026	ND	1.80	90.1	2.00	0.0802		
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	1.74	87.1	2.00	0.215		
Total Xylenes*	<0.150	0.150	03/31/2026	ND	5.13	85.5	6.00	0.0870		
Total BTEX	<0.300	0.300	03/31/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/30/2026	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	213	106	200	0.846	
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	216	108	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND					

Surrogate: 1-Chlorooctane 85.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: B 4 @ 2' (H261746-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/31/2026	ND	2.02	101	2.00	0.787		
Toluene*	<0.050	0.050	03/31/2026	ND	1.80	90.1	2.00	0.0802		
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	1.74	87.1	2.00	0.215		
Total Xylenes*	<0.150	0.150	03/31/2026	ND	5.13	85.5	6.00	0.0870		
Total BTEX	<0.300	0.300	03/31/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/30/2026	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	213	106	200	0.846	
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	216	108	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND					

Surrogate: 1-Chlorooctane 102 % 52.4-130

Surrogate: 1-Chlorooctadecane 98.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: B 5 @ 2' (H261746-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/31/2026	ND	2.02	101	2.00	0.787		
Toluene*	<0.050	0.050	03/31/2026	ND	1.80	90.1	2.00	0.0802		
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	1.74	87.1	2.00	0.215		
Total Xylenes*	<0.150	0.150	03/31/2026	ND	5.13	85.5	6.00	0.0870		
Total BTEX	<0.300	0.300	03/31/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/30/2026	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	213	106	200	0.846		
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	216	108	200	0.858		
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND						

Surrogate: 1-Chlorooctane 89.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.9 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: B 6 @ 2' (H261746-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/31/2026	ND	2.02	101	2.00	0.787		
Toluene*	<0.050	0.050	03/31/2026	ND	1.80	90.1	2.00	0.0802		
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	1.74	87.1	2.00	0.215		
Total Xylenes*	<0.150	0.150	03/31/2026	ND	5.13	85.5	6.00	0.0870		
Total BTEX	<0.300	0.300	03/31/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	213	106	200	0.846	
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	216	108	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND					

Surrogate: 1-Chlorooctane 77.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.0 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: B 7 @ 2' (H261746-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2026	ND	2.02	101	2.00	0.787	
Toluene*	<0.050	0.050	03/31/2026	ND	1.80	90.1	2.00	0.0802	
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	1.74	87.1	2.00	0.215	
Total Xylenes*	<0.150	0.150	03/31/2026	ND	5.13	85.5	6.00	0.0870	
Total BTEX	<0.300	0.300	03/31/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/30/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	213	106	200	0.846	
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	216	108	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND					

Surrogate: 1-Chlorooctane 88.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.8 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: B 8 @ 2' (H261746-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/31/2026	ND	2.02	101	2.00	0.787		
Toluene*	<0.050	0.050	03/31/2026	ND	1.80	90.1	2.00	0.0802		
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	1.74	87.1	2.00	0.215		
Total Xylenes*	<0.150	0.150	03/31/2026	ND	5.13	85.5	6.00	0.0870		
Total BTEX	<0.300	0.300	03/31/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	213	106	200	0.846		
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	216	108	200	0.858		
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND						

Surrogate: 1-Chlorooctane 90.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.4 % 39.9-141

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Analytical Results For:

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 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: B 9 @ 2' (H261746-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2026	ND	2.05	103	2.00	0.155		
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687		
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686		
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623		
Total BTEX	<0.300	0.300	03/30/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	209	104	200	1.28	
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND					

Surrogate: 1-Chlorooctane 93.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.1 % 39.9-141

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Analytical Results For:

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 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: B 10 @ 2' (H261746-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2026	ND	2.05	103	2.00	0.155		
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687		
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686		
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623		
Total BTEX	<0.300	0.300	03/30/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	209	104	200	1.28		
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	210	105	200	2.64		
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND						

Surrogate: 1-Chlorooctane 89.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.6 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: B 11 @ 2' (H261746-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2026	ND	2.05	103	2.00	0.155		
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687		
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686		
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623		
Total BTEx	<0.300	0.300	03/30/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	209	104	200	1.28	
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND					

Surrogate: 1-Chlorooctane 79.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.9 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: B 12 @ 2' (H261746-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2026	ND	2.05	103	2.00	0.155	
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687	
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686	
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623	
Total BTEX	<0.300	0.300	03/30/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	209	104	200	1.28	
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND					

Surrogate: 1-Chlorooctane 80.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.9 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: B 13 @ 2' (H261746-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2026	ND	2.05	103	2.00	0.155		
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687		
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686		
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623		
Total BTEX	<0.300	0.300	03/30/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/30/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	<10.0	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 88.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: B 14 @ 2' (H261746-14)

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	03/30/2026	ND	2.05	103	2.00	0.155	
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687	
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686	
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623	
Total BTEX	<0.300	0.300	03/30/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/30/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	<10.0	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 95.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.7 % 39.9-141

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 02, 2026

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: QUEEN 23-24 W00P FED COM 1

Enclosed are the results of analyses for samples received by the laboratory on 03/27/26 16:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 11 @ 3" (H261747-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2026	ND	2.05	103	2.00	0.155	
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687	
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686	
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623	
Total BTX	<0.300	0.300	03/30/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	03/30/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	289	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	35.1	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 95.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 12 @ 3" (H261747-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2026	ND	2.05	103	2.00	0.155		
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687		
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686		
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623		
Total BTEX	<0.300	0.300	03/30/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	262	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	35.0	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 90.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 13 @ 3" (H261747-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2026	ND	2.05	103	2.00	0.155		
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687		
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686		
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623		
Total BTEX	<0.300	0.300	03/30/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	03/30/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	75.4	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	19.1	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 95.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 97.1 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 14 @ 3" (H261747-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2026	ND	2.05	103	2.00	0.155	
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687	
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686	
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623	
Total BTX	<0.300	0.300	03/30/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	03/30/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	270	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	39.2	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 98.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 15 @ 3" (H261747-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2026	ND	2.05	103	2.00	0.155		
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687		
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686		
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623		
Total BTEX	<0.300	0.300	03/30/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	79.0	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	23.4	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 88.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 16 @ 3" (H261747-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2026	ND	2.05	103	2.00	0.155		
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687		
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686		
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623		
Total BTEX	<0.300	0.300	03/30/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	03/30/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	86.2	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	15.8	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 76.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.6 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 17 @ 3" (H261747-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2026	ND	2.05	103	2.00	0.155		
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687		
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686		
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623		
Total BTEX	<0.300	0.300	03/30/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	285	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	32.6	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 89.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
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 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 18 @ 3" (H261747-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2026	ND	2.05	103	2.00	0.155		
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687		
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686		
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623		
Total BTEX	<0.300	0.300	03/30/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	70.3	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	18.5	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 83.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.7 % 39.9-141

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 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 19 @ 3" (H261747-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2026	ND	2.05	103	2.00	0.155	
Toluene*	<0.050	0.050	03/30/2026	ND	2.07	103	2.00	0.687	
Ethylbenzene*	<0.050	0.050	03/30/2026	ND	2.16	108	2.00	0.686	
Total Xylenes*	<0.150	0.150	03/30/2026	ND	6.50	108	6.00	0.623	
Total BTEX	<0.300	0.300	03/30/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	03/30/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	327	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	44.4	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 82.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.7 % 39.9-141

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 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 20 @ 3" (H261747-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/31/2026	ND	2.05	103	2.00	0.155		
Toluene*	<0.050	0.050	03/31/2026	ND	2.07	103	2.00	0.687		
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	2.16	108	2.00	0.686		
Total Xylenes*	<0.150	0.150	03/31/2026	ND	6.50	108	6.00	0.623		
Total BTEx	<0.300	0.300	03/31/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	928	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	79.5	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	21.6	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 91.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.5 % 39.9-141

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 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 21 @ 3" (H261747-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/31/2026	ND	2.05	103	2.00	0.155		
Toluene*	<0.050	0.050	03/31/2026	ND	2.07	103	2.00	0.687		
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	2.16	108	2.00	0.686		
Total Xylenes*	<0.150	0.150	03/31/2026	ND	6.50	108	6.00	0.623		
Total BTEx	<0.300	0.300	03/31/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	388	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	53.0	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 96.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.6 % 39.9-141

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Analytical Results For:

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 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 22 @ 3" (H261747-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2026	ND	2.05	103	2.00	0.155	
Toluene*	<0.050	0.050	03/31/2026	ND	2.07	103	2.00	0.687	
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	2.16	108	2.00	0.686	
Total Xylenes*	<0.150	0.150	03/31/2026	ND	6.50	108	6.00	0.623	
Total BTEX	<0.300	0.300	03/31/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	03/30/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	245	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	40.5	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 97.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 104 % 39.9-141

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
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 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 23 @ 3" (H261747-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2026	ND	2.05	103	2.00	0.155	
Toluene*	<0.050	0.050	03/31/2026	ND	2.07	103	2.00	0.687	
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	2.16	108	2.00	0.686	
Total Xylenes*	<0.150	0.150	03/31/2026	ND	6.50	108	6.00	0.623	
Total BTEX	<0.300	0.300	03/31/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	118	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	29.4	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 103 % 39.9-141

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Analytical Results For:

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 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: DP 24 @ 3" (H261747-14)

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	03/31/2026	ND	2.05	103	2.00	0.155		
Toluene*	<0.050	0.050	03/31/2026	ND	2.07	103	2.00	0.687		
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	2.16	108	2.00	0.686		
Total Xylenes*	<0.150	0.150	03/31/2026	ND	6.50	108	6.00	0.623		
Total BTEX	<0.300	0.300	03/31/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2026	ND	209	104	200	1.28	
DRO >C10-C28*	345	10.0	03/31/2026	ND	210	105	200	2.64	
EXT DRO >C28-C36	49.0	10.0	03/31/2026	ND					

Surrogate: 1-Chlorooctane 97.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.7 % 39.9-141

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Diamondback Disposal Services		P.O. #:		BILL TO				ANALYSIS REQUEST											
Project Manager: Justin Roberts		Company: MEWBOURNE																	
Address: 2525 NW County Rd.		Attn: JEFF BROOM																	
City: Hobbs		Address:																	
Phone #: (575)392-9996		City:																	
Fax #: MOC-1055		State:																	
Project #: MOC-1055		Zip:																	
Project Name: QUEEN 23-24 WOOD FEED COM 1		State:																	
Project Location: 32.198159, -104.0605		Phone #:																	
Sample Name: ISRAEL BACA		Fax #:																	
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	EXT TPH	FULL TCLIP	NORM
1	DP-14 @ 3"	C	1	X									3-27-26	9:24 AM	X	X	X		
2	DP-12 @ 3"	C	1	X									3-27-26	9:26 AM	X	X	X		
3	DP-13 @ 3"	C	1	X									3-27-26	9:28 AM	X	X	X		
4	DP-14 @ 3"	C	1	X									3-27-26	9:30 AM	X	X	X		
5	DP-15 @ 3"	C	1	X									3-27-26	9:32 AM	X	X	X		
6	DP-16 @ 3"	C	1	X									3-27-26	9:34 AM	X	X	X		
7	DP-17 @ 3"	C	1	X									3-27-26	9:36 AM	X	X	X		
8	DP-18 @ 3"	C	1	X									3-27-26	9:38 AM	X	X	X		
9	DP-19 @ 3"	C	1	X									3-27-26	9:40 AM	X	X	X		
10	DP-20 @ 3"	C	1	X									3-27-26	9:42 AM	X	X	X		

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by 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 interruption, 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 reasons or otherwise.

Relinquished By:	Date: 3-27-26	Received By:	Verbal Result: ☐ Yes ☐ No ☒ Add'l Phone #:
Relinquished By:	Date: 3-27-26	Received By:	REMARKS:
Delivered By: (Circle One)	Observed Temp. °C: 10.4	Sample Condition: Cool ☒ Intact ☒	Turnaround Time: ☒ Standard ☐ Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 10.5	Checked By: (Initials)	Bacteria (only) Sample Condition: Cool ☐ Intact ☐
			Observed Temp. °C: ☐ Corrected Temp. °C: ☐

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalabnm.com



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

April 02, 2026

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: QUEEN 23-24 W00P FED COM 1

Enclosed are the results of analyses for samples received by the laboratory on 03/27/26 16:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: W 1 @ 0-2' (H261748-01)

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	03/31/2026	ND	2.01	101	2.00	4.15	
Toluene*	<0.050	0.050	03/31/2026	ND	2.01	101	2.00	4.85	
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	2.10	105	2.00	4.82	
Total Xylenes*	<0.150	0.150	03/31/2026	ND	6.33	106	6.00	4.34	
Total BTEX	<0.300	0.300	03/31/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/30/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	195	97.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	207	103	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND					

Surrogate: 1-Chlorooctane 78.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.6 % 39.9-141

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: W 2 @ 0-2' (H261748-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/31/2026	ND	2.01	101	2.00	4.15		
Toluene*	<0.050	0.050	03/31/2026	ND	2.01	101	2.00	4.85		
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	2.10	105	2.00	4.82		
Total Xylenes*	<0.150	0.150	03/31/2026	ND	6.33	106	6.00	4.34		
Total BTX	<0.300	0.300	03/31/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	195	97.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	207	103	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND					

Surrogate: 1-Chlorooctane 85.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.0 % 39.9-141

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/27/2026	Sampling Date:	03/27/2026
Reported:	04/02/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	** (See Notes)
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: W 3 @ 0-2' (H261748-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/31/2026	ND	2.01	101	2.00	4.15		
Toluene*	<0.050	0.050	03/31/2026	ND	2.01	101	2.00	4.85		
Ethylbenzene*	<0.050	0.050	03/31/2026	ND	2.10	105	2.00	4.82		
Total Xylenes*	<0.150	0.150	03/31/2026	ND	6.33	106	6.00	4.34		
Total BTEX	<0.300	0.300	03/31/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/30/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2026	ND	195	97.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	03/30/2026	ND	207	103	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	03/30/2026	ND					

Surrogate: 1-Chlorooctane 84.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.7 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*=Accredited Analyte

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 06, 2026

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: QUEEN 23-24 W00P FED COM 1

Enclosed are the results of analyses for samples received by the laboratory on 03/31/26 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/31/2026	Sampling Date:	03/30/2026
Reported:	04/06/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: H1 @ SURFACE (H261783-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2026	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	04/01/2026	ND	2.21	111	2.00	0.504	
Ethylbenzene*	<0.050	0.050	04/01/2026	ND	2.10	105	2.00	0.275	
Total Xylenes*	<0.150	0.150	04/01/2026	ND	6.21	103	6.00	0.0387	
Total BTX	<0.300	0.300	04/01/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/31/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2026	ND	215	107	200	3.21	
DRO >C10-C28*	<10.0	10.0	04/01/2026	ND	203	101	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	04/01/2026	ND					

Surrogate: 1-Chlorooctane 82.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.1 % 39.9-141

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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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/31/2026	Sampling Date:	03/30/2026
Reported:	04/06/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: H2 @ SURFACE (H261783-02)

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	04/01/2026	ND	2.27	113	2.00	2.63		
Toluene*	<0.050	0.050	04/01/2026	ND	2.21	111	2.00	0.504		
Ethylbenzene*	<0.050	0.050	04/01/2026	ND	2.10	105	2.00	0.275		
Total Xylenes*	<0.150	0.150	04/01/2026	ND	6.21	103	6.00	0.0387		
Total BTEX	<0.300	0.300	04/01/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/31/2026	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2026	ND	215	107	200	3.21	
DRO >C10-C28*	<10.0	10.0	04/01/2026	ND	203	101	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	04/01/2026	ND					

Surrogate: 1-Chlorooctane 87.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.0 % 39.9-141

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/31/2026	Sampling Date:	03/30/2026
Reported:	04/06/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: H3 @ SURFACE (H261783-03)

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	04/01/2026	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	04/01/2026	ND	2.21	111	2.00	0.504	
Ethylbenzene*	<0.050	0.050	04/01/2026	ND	2.10	105	2.00	0.275	
Total Xylenes*	<0.150	0.150	04/01/2026	ND	6.21	103	6.00	0.0387	
Total BTEX	<0.300	0.300	04/01/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/31/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2026	ND	215	107	200	3.21	
DRO >C10-C28*	<10.0	10.0	04/01/2026	ND	203	101	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	04/01/2026	ND					

Surrogate: 1-Chlorooctane 76.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.9 % 39.9-141

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/31/2026	Sampling Date:	03/30/2026
Reported:	04/06/2026	Sampling Type:	Soil
Project Name:	QUEEN 23-24 W00P FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	MOC - 1055	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.198159-104.0605		

Sample ID: H4 @ SURFACE (H261783-04)

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	04/01/2026	ND	2.27	113	2.00	2.63		
Toluene*	<0.050	0.050	04/01/2026	ND	2.21	111	2.00	0.504		
Ethylbenzene*	<0.050	0.050	04/01/2026	ND	2.10	105	2.00	0.275		
Total Xylenes*	<0.150	0.150	04/01/2026	ND	6.21	103	6.00	0.0387		
Total BTEX	<0.300	0.300	04/01/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/31/2026	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2026	ND	215	107	200	3.21	
DRO >C10-C28*	<10.0	10.0	04/01/2026	ND	203	101	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	04/01/2026	ND					

Surrogate: 1-Chlorooctane 81.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.0 % 39.9-141

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

General Information
Phone: (505) 629-6116

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<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 609476

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 609476
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2334726230
Incident Name	NAPP2334726230 QUEEN 23-24 W00P FED COM 1H BATTERY @ O-23-24S-28E
Incident Type	Produced Water Release
Incident Status	Deferral Request Received

Location of Release Source

Please answer all the questions in this group.

Site Name	Queen 23-24 W00P Fed Com 1H Battery
Date Release Discovered	11/28/2023
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure Separator Crude Oil Released: 2 BBL Recovered: 1 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 21 BBL Recovered: 4 BBL Lost: 17 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Not answered.

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QUESTIONS, Page 2

Action 609476

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 609476
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
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	Not answered.

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: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 07/30/2026
--	---

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QUESTIONS, Page 3

Action 609476

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID:
	14744
	Action Number: 609476
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
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 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between 300 and 500 (ft.)
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	High
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	18800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	3718
GRO+DRO (EPA SW-846 Method 8015M)	2920
BTEX (EPA SW-846 Method 8021B or 8260B)	1.8
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	03/13/2026
On what date will (or did) the final sampling or liner inspection occur	03/27/2026
On what date will (or was) the remediation complete(d)	03/27/2026
What is the estimated surface area (in square feet) that will be reclaimed	2536
What is the estimated volume (in cubic yards) that will be reclaimed	276
What is the estimated surface area (in square feet) that will be remediated	2536
What is the estimated volume (in cubic yards) that will be remediated	248
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 609476

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 609476
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
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	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 07/30/2026
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 609476

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 609476
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Full remediation and reclamation would require deconstruction of 4 horizontal separation vessels as well as 3 vertical heater treaters.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	3965
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	257
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	fAPP2125733030 QUEEN 23/24 W0OP FED COM #1H BATTERY
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 07/30/2026

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QUESTIONS, Page 6

Action 609476

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 609476
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	565334
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/27/2026
What was the (estimated) number of samples that were to be gathered	32
What was the sampling surface area in square feet	6500

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	No
--	----

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CONDITIONS

Action 609476

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 609476
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Mewbourne's deferral requests final remediation for (Incident Number nAPP2334726230) until final reclamation of the well pad or major construction, whichever comes first. Diamondback Disposal Services and Mewbourne do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The impacted soil is the green shaded area on the "Deferment Area" map beneath and immediately around active production equipment, where remediation would require a major facility deconstruction. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and placed in the incident file. The release will remain open in OCD database files and reflect an open environmental issue.	8/4/2026