Lario Area 51 SWD Pipeline North Release

Incident #NAPP2506655962

Remediation Workplan

P-15-18S-34E

Lease's Affected

VC06480002, VC04240003

32.74297,-103.539826 NAD83

2525 NW County Rd
Hobbs, NM 88240
(575) 392-9996

Introduction

This report outlines the proposed remediation activities at the South LARIO AREA 51 SWD Pipeline Northern release. On behalf of LARIO OIL & GAS CO., Diamondback Disposal Services, Inc. has been contracted to conduct remediation for incident NAPP2506655962. The incident falls under the jurisdiction of NMSLO Leases VC06480002 and VC04240003.

The release site is located in Unit Letter P, Section 15, Township 18S, Range 34E, at coordinates 32.74297,-103.539826—approximately 23 miles west of Hobbs, New Mexico. The area is designated for oil and gas development as well as agricultural use.

The release occurred due to a leak in an underground pipeline caused by undetermined factors, resulting in the discharge of an unknown volume of produced fluid. A total of 300 barrels of fluid were recovered during initial response efforts.

This report is submitted to ensure compliance with applicable regulatory requirements and to outline the planned approach for restoring the site to pre-disturbance conditions.

The site can be accessed starting at the intersection of NM-529 and Gemini Ln. From this point:

- Head north on Gemini Ln for 0.6 miles (the road will curve right).
- Continue east for 1.1 miles to a T-intersection.
- Turn left and go north for 0.3 miles to another T-intersection.
- Turn left again and travel west for 0.8 miles to the start of the project.

A site map is included in Appendix B.

Site Description

The site is located approximately 23 miles west of Hobbs, New Mexico, within a region designated for oil and gas operations. According to the USDA Web Soil Survey (see Appendix A), the native soil is classified as part of the Kimbrough-Lea complex. The surface material consists of either loam to a depth of 10 inches or gravelly loam for the top 3 inches, underlain by loam extending to approximately 10 inches in depth, followed by cemented material beyond 10 inches.

Reclamation of the site will include seeding to restore native vegetation. The New Mexico State Land Office (NMSLO) Seed Mix L will be applied following soil grading and site stabilization to ensure compliance with revegetation requirements and promote long-term ecological recovery.

Because planned operations will extend beyond the original right-of-way, an additional archaeological survey was conducted on March 15, 2025, to evaluate potential cultural resource concerns. The results of this survey are included in Appendix E (Communications). The impacted area has been assessed and determined to be free of protected cultural properties, ensuring continued compliance with NMAC 19.2.24 (Cultural Properties Protection) as well as applicable biological compliance requirements.

Groundwater and Surface Water Assessment

A review of site characteristics and groundwater data from the New Mexico Office of the State Engineer (NMOSE) was conducted to evaluate potential impacts and identify any sensitive hydrological receptors. The assessment included:

- Depth to Groundwater Survey – Two registered wells were identified within a ½-mile radius of the site, with reported depths to groundwater of 100 and 110 feet below ground surface (bgs). The average depth to groundwater in the area is approximately 105 feet bgs.
- Registered Water Wells Search – The nearest well, POD L 04531, is located approximately 0.4 miles northeast of the site, with a confirmed groundwater depth of 100 feet bgs (see Appendix B). Both wells are active, and groundwater depths were further verified through consultation with the agricultural leaseholder, Ricky Pearce.

As an additional verification measure, an old windmill located approximately 0.7 miles north of the site was gauged to a depth of 100 feet. No groundwater was encountered. Supporting photographs are provided in Appendix D.

A riverine wetland was identified approximately 639 feet from the site, and several emergent wetlands were also noted in proximity. However, no other watercourses or other sensitive hydrological receptors were identified within a 1-mile radius. The site is located in an area classified as having low karst potential.

The site will be evaluated in accordance with the closure criteria outlined in Table 1 of NMAC 19.15.29.12. Soil from the upper four feet will be assessed using standards for areas where groundwater is less than 50 feet below ground surface, ensuring protection of the root zone and near-surface ecology. Pursuant to NMAC 19.15.29.12(C)(2), soils deeper than four feet will be evaluated using criteria for sites where groundwater exceeds 100 feet below ground surface. These thresholds are designed to protect groundwater quality while supporting long-term vegetation and wildlife sustainability. (See Table Below)

Table 1: NMAC 19.15.29.12 Closure Criteria for Soils Impacted by a Release

Groundwater Depth	Chloride (mg/kg)	TPH (GRO+DRO+MRO) (mg/kg)	GRO+DRO (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)
Less than 50 feet	600	100	N/A	50	10
Greater than 100 feet	20,000	2,500	1,000	50	10

Biological and Environmental Factors

- IPaC data, the CHAT layer (rating of 5), and BLM sensitive receptor layers were reviewed, confirming that no critical protected plant or animal habitats exist near the site (see Appendix A).
- A field assessment confirmed no active burrows, nests, or evidence of federally or state-protected species within the project area.
- An archaeological survey was conducted prior to planned disturbance beyond the existing footprint, in accordance with the Cultural Properties Protection Rule (NMAC 19.2.24). The survey confirmed that no cultural resources of concern are present within the work area. All activities will remain in

compliance with applicable CPP requirements throughout the duration of the project. Documentation related to this assessment is included in Appendix E (Communications).

- All remediation and reclamation activities will be conducted in compliance with the Endangered Species Act (ESA), the Migratory Bird Treaty Act (MBTA), and applicable state wildlife regulations to avoid impacts to sensitive species and their habitats. If protected species are identified during activities, work will be halted, and the appropriate regulatory agencies will be contacted for guidance on mitigation measures.

Remediation Activities

Upon approval of this work plan:

- All areas requiring remediation will be excavated using a mid-size trackhoe, such as a Cat 320 or equivalent (20–25 ton class), with impacted soils removed in controlled increments. Excavation will proceed until field screening indicates that the remaining in-situ material is likely to meet applicable closure standards. Impacted soils will be loaded into 20-yard trucks and transported to a disposal facility approved by the New Mexico Oil Conservation Division (NMOCD). The excavation process is expected to take approximately 30 days.
- A variance is requested to increase the sampling interval for excavation floor composites from every 200 square feet to every 400 square feet. This request is supported by site-specific conditions, including an average groundwater depth of approximately 105 feet below ground surface (bgs) and the absence of sensitive hydrological or biological receptors of concern. Sidewall sampling will remain at 200-square-foot intervals.
- Field screening will be conducted using the Silver Nitrate Field Titration Method to evaluate in-situ soils exposed during excavation. Areas that meet field screening criteria will proceed to confirmation sampling.
- A 48-hour notice will be submitted to ECO, the New Mexico State Land Office (NMSLO), and the New Mexico Oil Conservation Division (NMOCD) prior to confirmation sampling. Sampling will be conducted on the date specified in the notice.
- Composite confirmation samples will be collected from the excavation floor and sidewalls in accordance with the approved variance request and submitted under chain of custody to a third-party laboratory for analysis. If laboratory results exceed Regulatory Remediation Action Levels (RRALs), additional excavation and resampling will be conducted as needed. Laboratory turnaround is anticipated within four business days.

Seedbed Preparation and Contouring

The site will be back-filled using locally sourced caliche to raise excavated areas to approximately one foot below the final surface grade. These areas will then be capped with locally sourced topsoil to support re-vegetation. In locations designated as roadways, the surface will be rebuilt entirely with caliche and graded to establish proper slope and drainage. Grading will be performed using a Cat 140M or equivalent motor grader to ensure consistent shaping and water management. Final contours will be blended with surrounding terrain to promote long-term stability. Soil characteristics are further detailed in Appendix A (Soil Report).

Seeding and Site Protection

During the first week of October, the site will be disced and broadcast-seeded using the approved NMSLO Seed Mix L at double the Pure Live Seed (PLS) drilling rate, totaling 36 PLS pounds per acre. The seeded areas will be bermed to prevent unauthorized vehicular traffic, and the berms will be seeded to promote stability and reduce erosion.

See Table Below

LOAMY (L) SITES SEED MIXTURE:		
COMMON NAME VARIETY APPLICATION	RATE (PLS/Acre)	Drill Box
Grasses:		
Black grama VNS, Southern	1	D
Blue grama Lovington	1	D
Sideoats grama Vaughn, El Reno	4	F
Sand dropseed VNS, Southern	2	S
Alkali sacaton VNS, Southern	1	
Little bluestem Cimarron, Pastura	1.5	F
Forbs:		
Firewheel (Gaillardia) VNS, Southern	1	D
Shrubs:		
Fourwing saltbush Marana, Santa Rita	1	D
Common winterfat VNS, Southern	0.5	F
Total PLS/acre	18	

Schedule of Implementation

The project is expected to take six weeks:

- Week 1: Mobilization and initiation of excavation.
- Week 2: Excavation continues, with verification sampling performed as soon as sufficient area is exposed to justify collection of confirmation samples.
- Weeks 3–5: Ongoing excavation, sampling, confirmation, and resampling as needed until the remediation effort is complete.
- Week 6: Backfilling, seedbed preparation, seeding, and site stabilization.

A final remediation activities report will be completed and submitted by September 2025.

Post-Reclamation Monitoring

The site will be monitored following reclamation to ensure successful establishment of vegetation, adequate ground coverage, and the absence of noxious or invasive weeds. Measures will also be taken to prevent unauthorized vehicular traffic that could interfere with site recovery. Inspections will be conducted semi-annually, beginning in March 2026, and will continue until reclamation is deemed complete.

As part of the monitoring process, the site will be assessed for signs of erosion. If necessary, erosion control measures such as berms or wattles will be installed to maintain stability. If the site does not

show substantial recovery after two years, it will be amended and reseeded as needed to promote vegetative growth and achieve reclamation objectives.

Once vegetation has reached 70% of the pre-disturbance coverage, excluding noxious and invasive species, a final reclamation report will be prepared and submitted to spills@nmslo.gov and the New Mexico Oil Conservation Division (NMOCD) for review.

Conclusion

This work plan outlines the proposed remediation and reclamation activities for the South LARIO AREA 51 SWD Pipeline North release, located in Unit Letter P, Section 15, Township 18S, Range 34E, at coordinates 32.74297,-103.539826. The site falls under the jurisdiction of NMSLO Leases VC06480002, VC04240003 and has been historically used for oil and gas operations. The goal of this work plan is to restore the site to conditions consistent with its pre-disturbance state while ensuring compliance with applicable regulatory standards.

On behalf of LARIO OIL & GAS CO., Diamondback Disposal Services, Inc. will carry out all remediation and reclamation activities described herein, including excavation of impacted soils, confirmation sampling, backfilling with locally sourced caliche, topsoil capping, road reconstruction, grading, and final seeding using the NMSLO-approved Seed Mix L. Grading will be performed using Cat 140M-class equipment to establish appropriate drainage and surface stability. All activities will be conducted in accordance with regulatory requirements, including NMAC 19.15.29.12, the Endangered Species Act (ESA), the Migratory Bird Treaty Act (MBTA), and the Cultural Properties Protection Rule (NMAC 19.2.24). An archaeological survey has been completed to ensure cultural compliance, and no cultural resources of concern were identified within the project area.

Following reclamation, the site will undergo semi-annual monitoring beginning in March 2026 to evaluate vegetation establishment, erosion, and overall site stability. If necessary, reseeding or additional amendments will be applied to support long-term reclamation success. Once the site has achieved 70% of pre-disturbance vegetative cover—excluding noxious and invasive species—a final reclamation report will be submitted to spills@nmslo.gov and the New Mexico Oil Conservation Division (NMOCD) for review and closure consideration.

We appreciate your review of this work plan and respectfully request approval to proceed with the activities described. Please contact us with any questions or requests for additional information.

Appendix A
Site Characterization

National Flood Hazard Layer FIRMette

FEMA

103°32'42"W 32°44'40"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°32'5"W 32°44'10"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

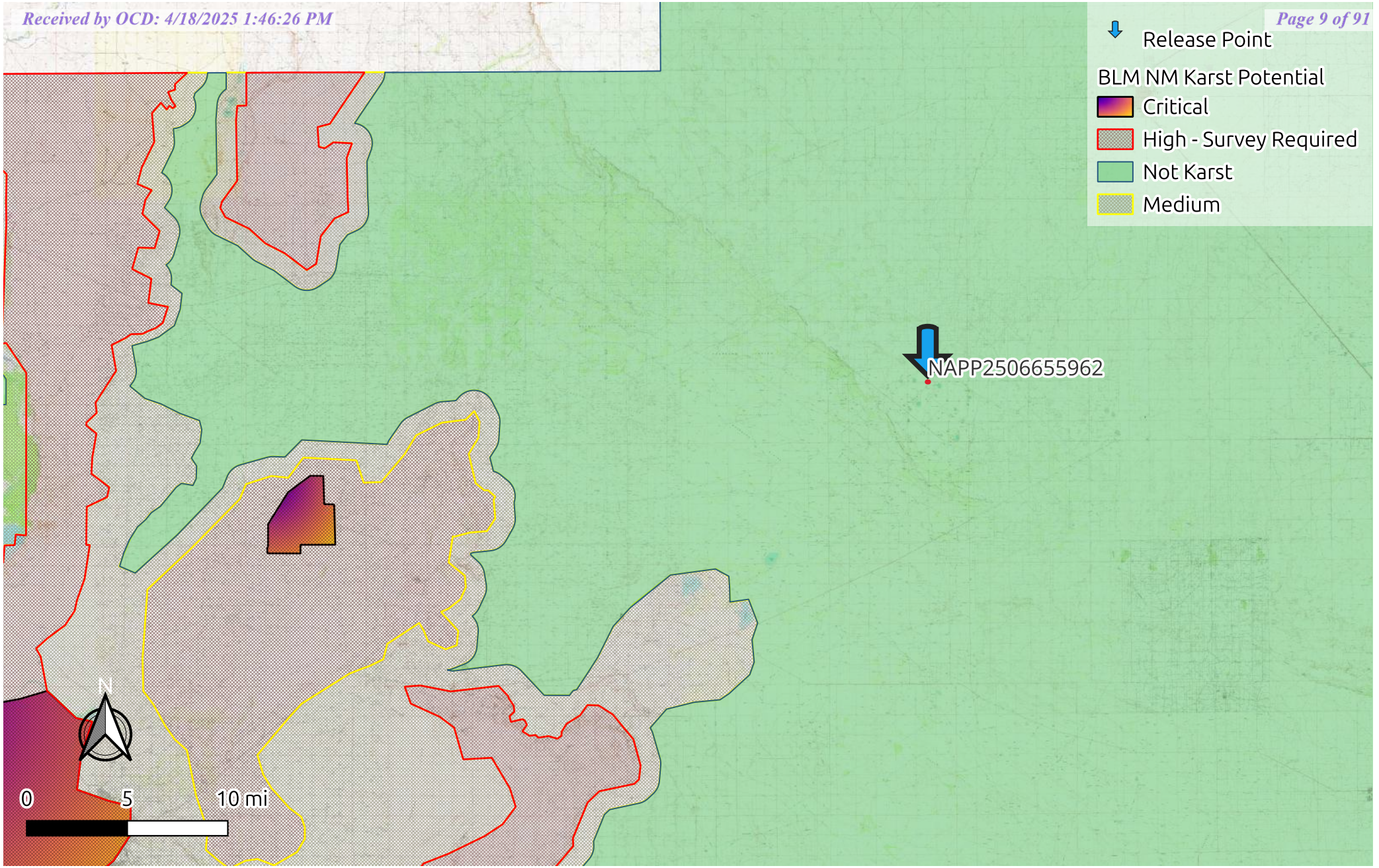
N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/6/2025 at 7:12 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



LARIO OIL & GAS CO
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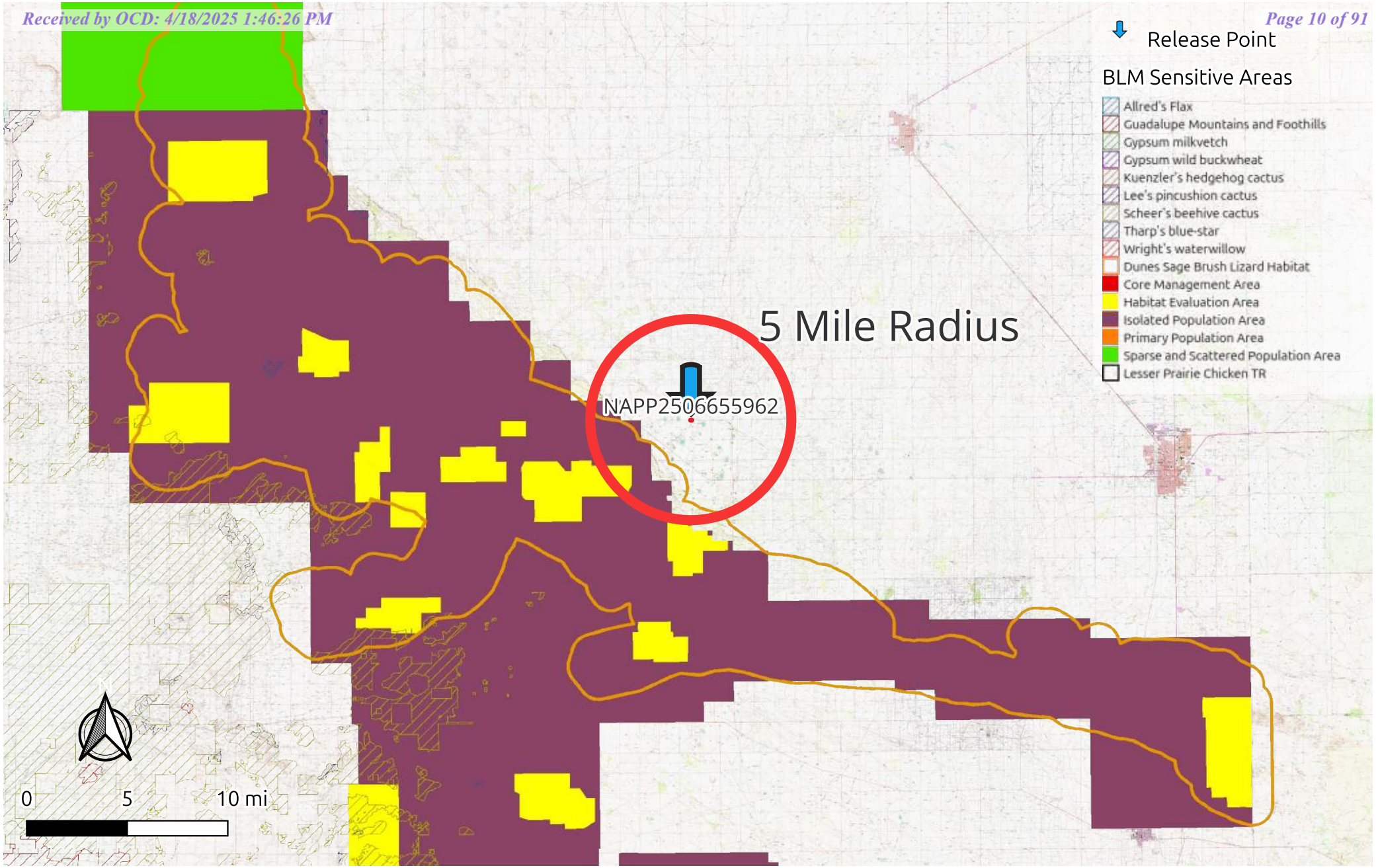
Diamondback Disposal
Services, Inc
P.O. Box 2491
Hobbs, NM 88241
575-392-9996



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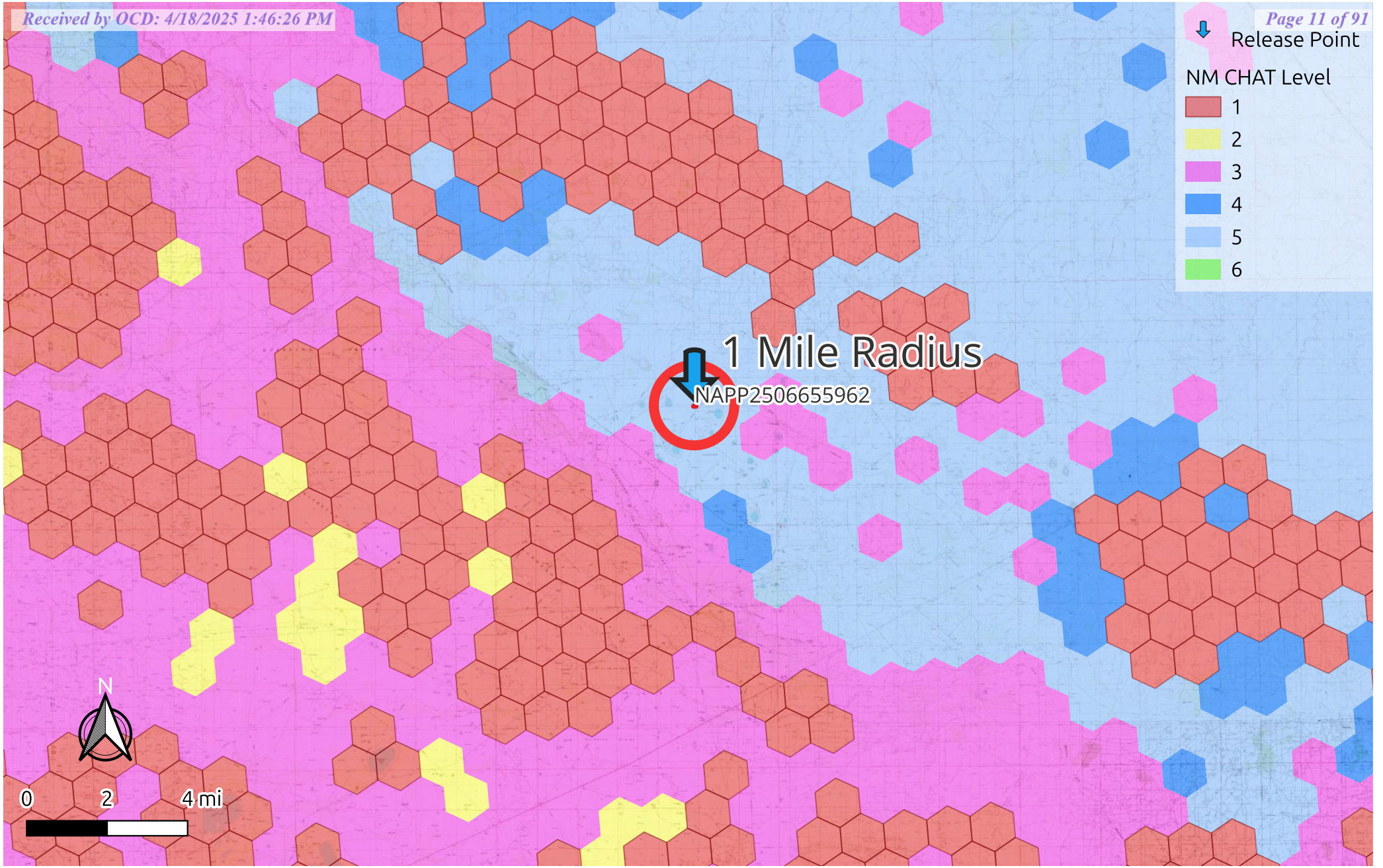

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United States Department of the Interior

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: 04/07/2025 15:45:18 UTC
Project Code: 2025-0079269
Project Name: LARIO AREA 51 SWD PIPELINE North Spill

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, intentional or unintentional, 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.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. 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.

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".

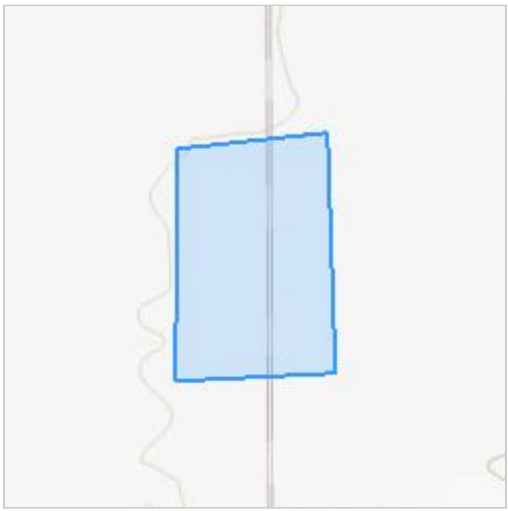
This species list is provided by:

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

PROJECT SUMMARY

Project Code: 2025-0079269
Project Name: LARIO AREA 51 SWD PIPELINE North Spill
Project Type: 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/@32.742711,-103.539732189337,14z



Counties: Lea County, New Mexico

ENDANGERED SPECIES ACT SPECIES

There is a total of 3 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 Fisheries[1], 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.

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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.

BIRDS

NAME	STATUS
Lesser Prairie-chicken *Tympanuchus pallidicinctus* Population: Southern DPS No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1924	Endangered
Northern Aplomado Falcon *Falco femoralis septentrionalis* Population: U.S.A (AZ, NM) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1923	Experimental Population, Non-Essential

INSECTS

NAME	STATUS
Monarch Butterfly *Danaus plexippus* 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.

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

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

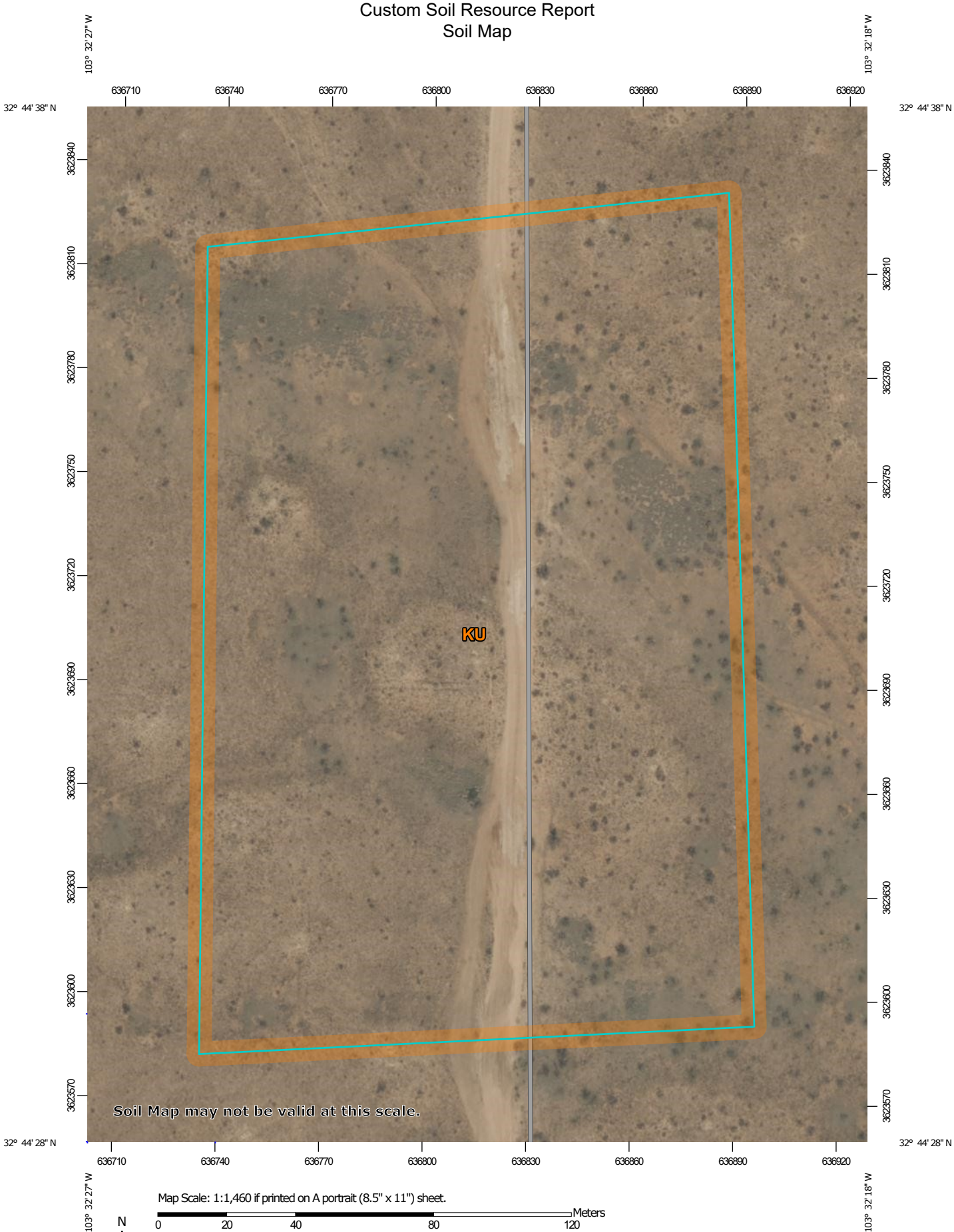
A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Lea County, New Mexico

LARIO AREA 51 SWD PIPELINE North

April 7, 2025

Custom Soil Resource Report
Soil Map



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: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

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

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	9.2	100.0%
Totals for Area of Interest		**9.2**	**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, 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.

Lea County, New Mexico

KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw46
Elevation: 2,500 to 4,800 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 45 percent
Lea and similar soils: 25 percent
Minor components: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough

Setting

Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Concave, linear
Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam
Bw - 3 to 10 inches: loam
Bkkm1 - 10 to 16 inches: cemented material
Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Description of Lea

Setting

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

Typical profile

A - 0 to 10 inches: loam
Bk - 10 to 18 inches: loam
Bkk - 18 to 26 inches: gravelly fine sandy loam
Bkkm - 26 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 3.0
Available water supply, 0 to 60 inches: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Hydric soil rating: No

Minor Components

Douro

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Other vegetative classification: Unnamed (G077DH000TX)
Hydric soil rating: No

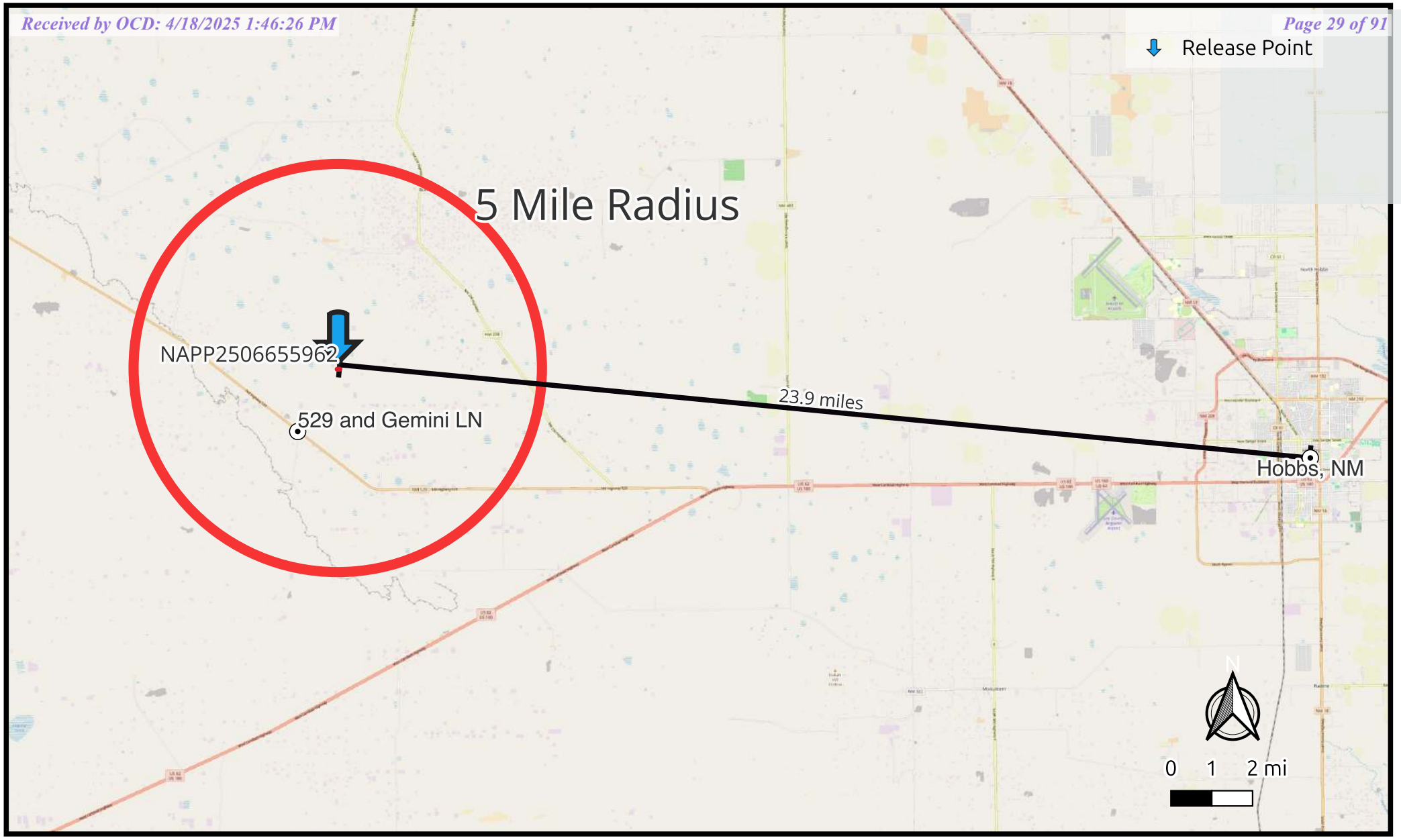
Kenhill

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY038TX - Clay Loam 12-17" PZ
Hydric soil rating: No

Spraberry

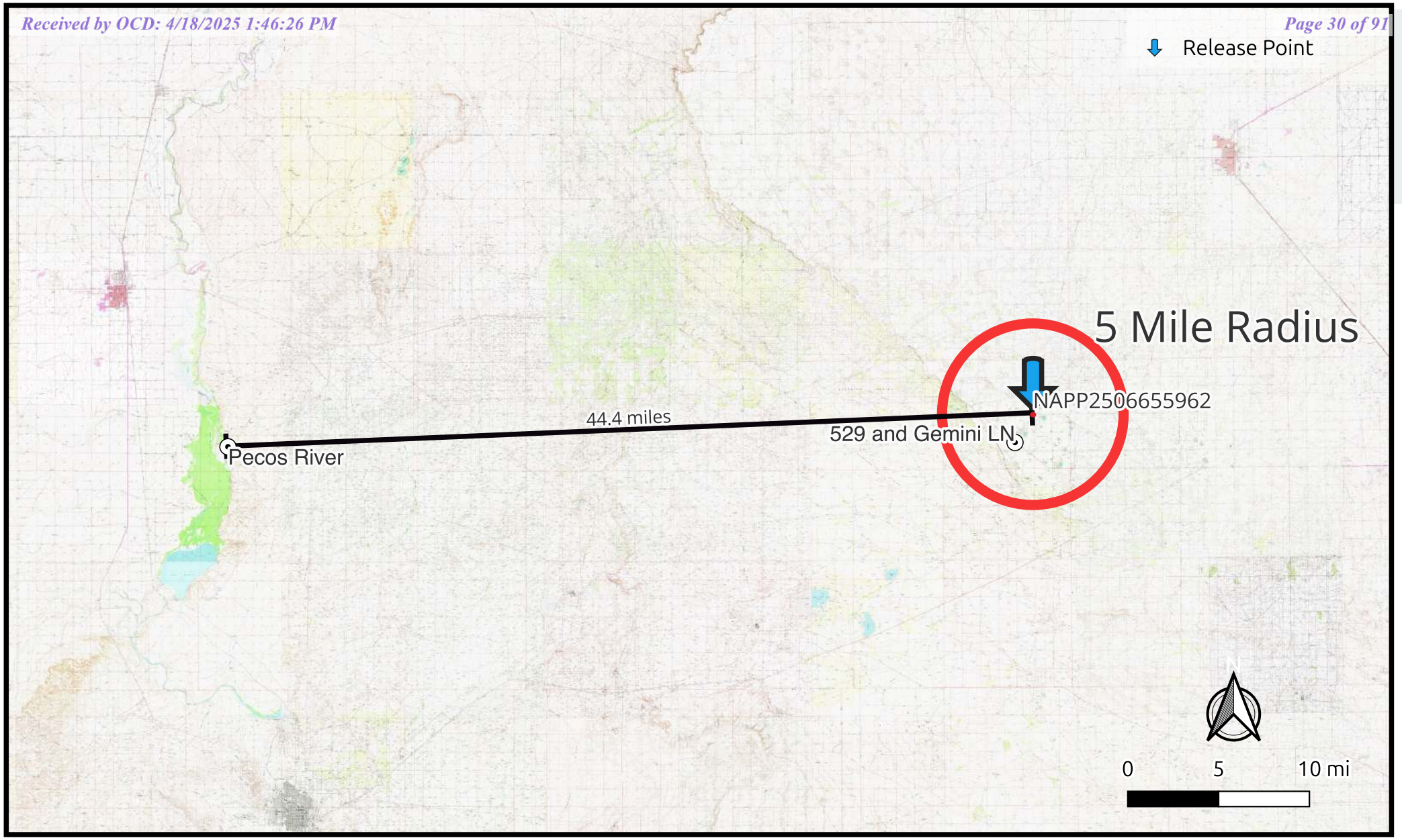
Percent of map unit: 6 percent
Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Other vegetative classification: Unnamed (G077DH000TX)
Hydric soil rating: No

Appendix B
Depth to Groundwater
Topographical Information



LARIO OIL & GAS CO
AREA 51 SWD PIPELINE @ 0
Incident #NAPP2506655962
32.74297,-103.539826 NAD83
VC06480002, VC04240003

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



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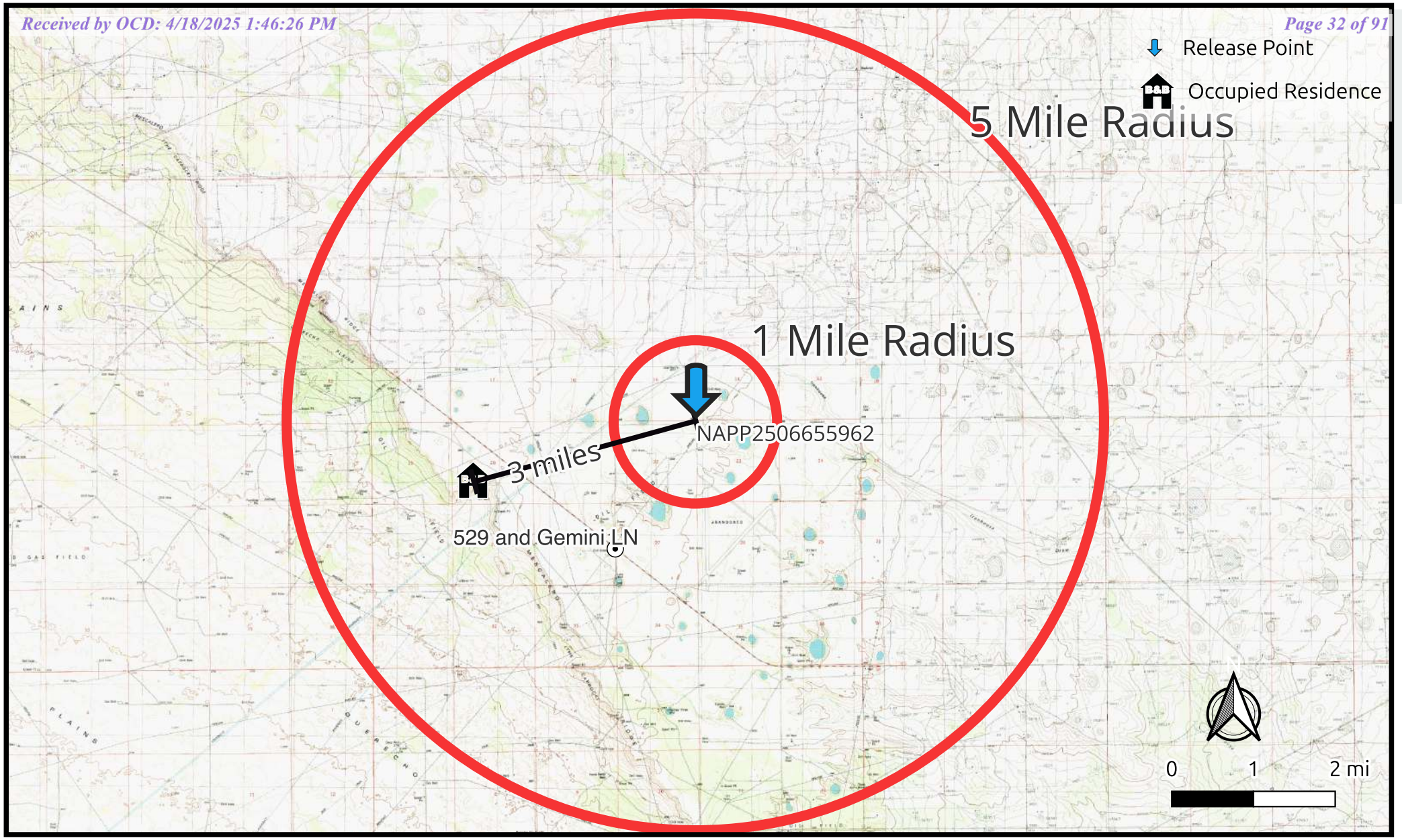

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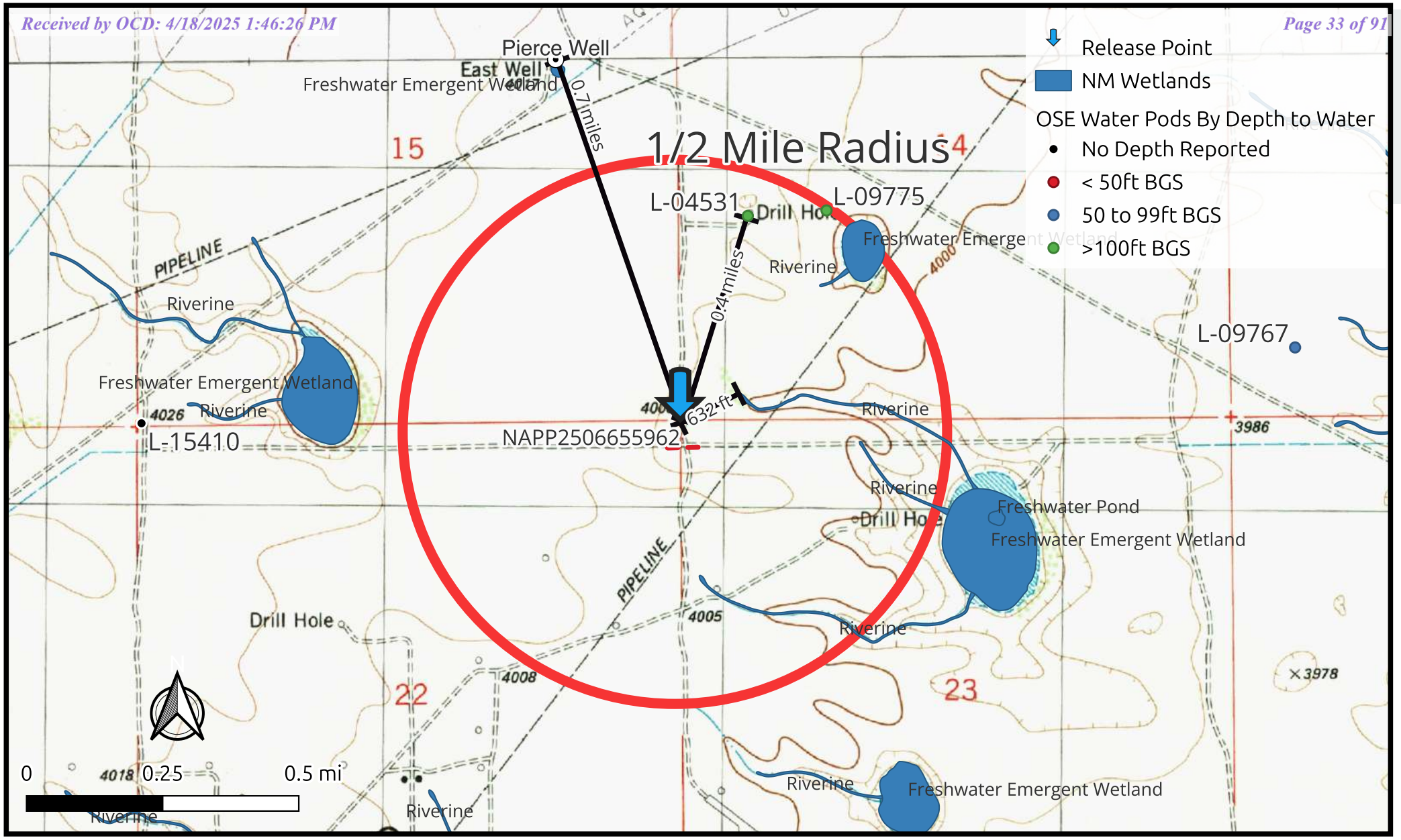

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are smallest to largest) (meters) (In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
L 04531		L	LE		NW	SW	14	18S	34E	637016.0	3624067.0 *		655	125	100	25
L 09775		L	LE	NW	NE	SW	14	18S	34E	637248.6	3624084.4		777	183	110	73

Average Depth to Water: **105 feet**

Minimum Depth: **100 feet**

Maximum Depth: **110 feet**

Record Count: 2

UTM Filters (in meters):
Easting: 636804.769
Northing: 3623445.956
Radius: 1609

*** UTM location was derived from PLSS - see Help**

Appendix C
Site Delineation Mapping and Summary Report

Area 51 Pipeline North – NAPP2506655962
Vertical Summary

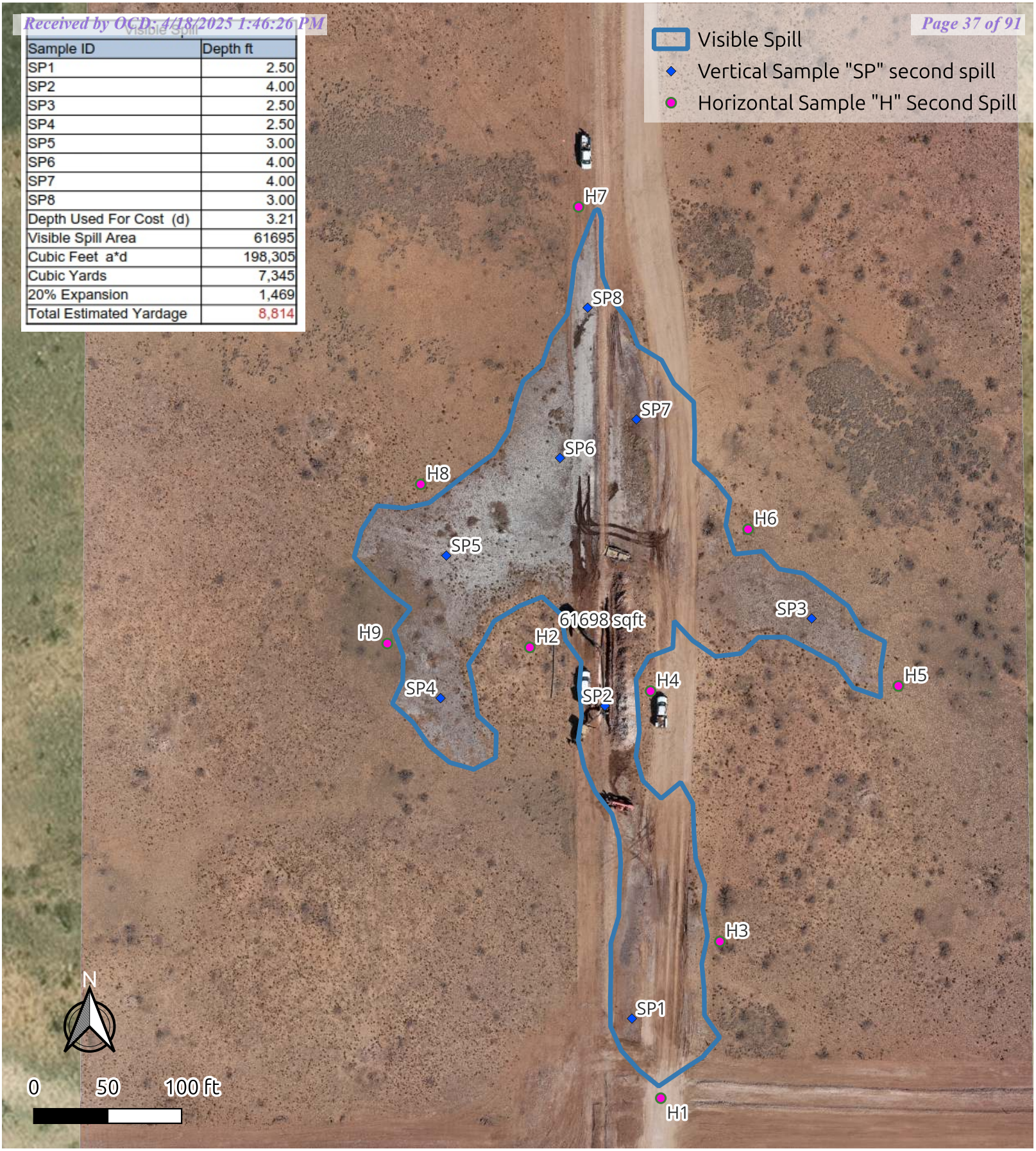
SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE
SP1	H251519-01	Surface	3/13/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	10800
SP1	H251564-03	2’	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.6	<10.0	21.6	14701
SP1	H251564-04	2’6”	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
SP2	H251564-01	Surface	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	7200
SP2	H251564-02	4’6”	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
SP3	H251519-02	Surface	3/13/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	13200
SP3	H251564-05	2’	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1410
SP3	H251564-06	2’6”	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
SP4	H251519-03	Surface	3/13/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	13800
SP5	H251519-04	Surface	3/13/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	13200
SP5	H251564-11	3’	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SP6	H251519-05	Surface	3/13/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	12200
SP6	H251564-09	4’	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
SP7	H251519-06	Surface	3/13/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	11000
SP7	H251564-12	3’	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	9200
SP7	H251564-07	4’	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	45.3	<10.0	45.3	3440
SP8	H251519-07	Surface	3/13/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48
SP8	H251564-08	2’6”	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.5	<10.0	18.5	1280
SP8	H251564-10	3’	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16

Are 51 Pipeline North – NAPP2506655962
Horizontal Summary

SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	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	H251519-08	Surface	3/13/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
H2	H251519-09	Surface	3/13/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
H3	H251519-10	Surface	3/13/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
H4	H251567-05	Surface	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4080
H5	H251567-06	Surface	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
H6	H251567-01	Surface	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
H7	H251567-02	Surface	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
H8	H251567-03	Surface	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
H9	H251567-04	Surface	3/17/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0

Visible Spill

Sample ID	Depth ft
SP1	2.50
SP2	4.00
SP3	2.50
SP4	2.50
SP5	3.00
SP6	4.00
SP7	4.00
SP8	3.00
Depth Used For Cost (d)	3.21
Visible Spill Area	61695
Cubic Feet a*d	198,305
Cubic Yards	7,345
20% Expansion	1,469
Total Estimated Yardage	8,814



LARIO OIL & GAS CO
AREA 51 SWD PIPELINE nORTH
Incident NAPP2506655962
32.740167,-103.539861 NAD83
VC06480002, VC04240003

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

Appendix D
Site Photography
And Field Notes

Pierce Windmill Gauging

Appendix E
Communications

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

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number: 158081
(if applicable)

Exhibit Type (select one)

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

☐ (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.

☐ (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.

☐ (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

◉ **Archaeological Survey**

Findings:

☑ **Negative** - No further archaeological review is required.

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

Comments: The Lario Oil and Gas Company proposes the remediation of the Area 51 Salt Water Disposal Pipeline Located Within, Township 18 South, Range 34 East; Sections 14, 15, 22 and 23 in Lea County, New Mexico. The survey area included the spill area/ area of concern which was in two

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant: Advanced Archaeological Solutions

Project Proponent (Applicant): Lario Oil and Gas Company

Project Title/Description: Cultural Resource Survey Report for the Lario Oil and Gas Company for the Proposed Remediation of the Area 51 Salt Water Disposal Pipeline Located Within, Township 18 South, Range 34 East; Sections 14, 15, 22 and 23 in Lea

Project Location:

County(ies): Lea County

PLSS/Section/Township/Range): Township 18 South, Range 34 East; Section 14, 15, 22 and 23

For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only: ☐

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

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

Form Revised 12 22

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 439271

QUESTIONS

Operator: LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	OGRID: 13089
	Action Number: 439271
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Lario Area 51 SWD Pipeline
Date Release Discovered	03/04/2025
Surface Owner	State

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	*Not answered.*
Produced Water Released (bbls) Details	Cause: Corrosion | Pipeline (Any) | Produced Water | Released: 80 BBL | Recovered: 80 BBL | Lost: 0 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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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	OGRID: 13089
	Action Number: 439271
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Operator: LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	OGRID: 13089
	Action Number: 439271
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☑	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☑	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☑	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.
☑	I acknowledge the fact that 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.
☑	I acknowledge the fact that, 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.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	OGRID: 13089
	Action Number: 439271
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
ryanb	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	3/5/2025

Appendix F
Lab Results
Originals

CARDINAL Laboratories

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

March 19, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AREA 51 SWD NORTH

Enclosed are the results of analyses for samples received by the laboratory on 03/13/25 16:39.

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

Cardinal Laboratories is accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/13/2025	Sampling Date:	03/13/2025
Reported:	03/19/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: SP 1 @ SFC (H251519-01)

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	03/15/2025	ND	1.89	94.4	2.00	8.44	
Toluene*	<0.050	0.050	03/15/2025	ND	1.96	98.1	2.00	4.70	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.09	105	2.00	4.98	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.07	101	6.00	6.42	
Total BTEX	<0.300	0.300	03/15/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**10800**	16.0	03/17/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	195	97.6	200	0.332	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane *94.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/13/2025	Sampling Date:	03/13/2025
Reported:	03/19/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: SP 3 @ SFC (H251519-02)

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	03/17/2025	ND	1.95	97.3	2.00	2.62	
Toluene*	<0.050	0.050	03/17/2025	ND	2.01	101	2.00	1.29	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.23	104	6.00	0.987	
Total BTEX	<0.300	0.300	03/17/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**13200**	16.0	03/17/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	195	97.6	200	0.332	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane *95.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/13/2025	Sampling Date:	03/13/2025
Reported:	03/19/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: SP 4 @ SFC (H251519-03)

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	03/17/2025	ND	1.95	97.3	2.00	2.62	
Toluene*	<0.050	0.050	03/17/2025	ND	2.01	101	2.00	1.29	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.23	104	6.00	0.987	
Total BTEX	<0.300	0.300	03/17/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**13800**	16.0	03/17/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	195	97.6	200	0.332	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane *97.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.3 %* *40.6-153*

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CARDINAL Laboratories

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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:	03/13/2025	Sampling Date:	03/13/2025
Reported:	03/19/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: SP 5 @ SFC (H251519-04)

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	03/17/2025	ND	1.95	97.3	2.00	2.62	
Toluene*	<0.050	0.050	03/17/2025	ND	2.01	101	2.00	1.29	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.23	104	6.00	0.987	
Total BTEX	<0.300	0.300	03/17/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**13200**	16.0	03/17/2025	ND	432	108	400	0.00	QM-07

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	195	97.6	200	0.332	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane *94.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.7 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/13/2025	Sampling Date:	03/13/2025
Reported:	03/19/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: SP 6 @ SFC (H251519-05)

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	03/17/2025	ND	1.95	97.3	2.00	2.62	
Toluene*	<0.050	0.050	03/17/2025	ND	2.01	101	2.00	1.29	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.23	104	6.00	0.987	
Total BTEX	<0.300	0.300	03/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**12200**	16.0	03/17/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	195	97.6	200	0.332	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane *97.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.0 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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:	03/13/2025	Sampling Date:	03/13/2025
Reported:	03/19/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: SP 7 @ SFC (H251519-06)

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	03/17/2025	ND	1.95	97.3	2.00	2.62	
Toluene*	<0.050	0.050	03/17/2025	ND	2.01	101	2.00	1.29	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.23	104	6.00	0.987	
Total BTEX	<0.300	0.300	03/17/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**11000**	16.0	03/17/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	195	97.6	200	0.332	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane *96.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/13/2025	Sampling Date:	03/13/2025
Reported:	03/19/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: SP 8 @ SFC (H251519-07)

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	03/17/2025	ND	1.95	97.3	2.00	2.62	
Toluene*	<0.050	0.050	03/17/2025	ND	2.01	101	2.00	1.29	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.23	104	6.00	0.987	
Total BTEX	<0.300	0.300	03/17/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/17/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	195	97.6	200	0.332	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane *86.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.1 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/13/2025	Sampling Date:	03/13/2025
Reported:	03/19/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: H 1 @ SFC (H251519-08)

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	03/17/2025	ND	1.95	97.3	2.00	2.62	
Toluene*	<0.050	0.050	03/17/2025	ND	2.01	101	2.00	1.29	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.23	104	6.00	0.987	
Total BTEX	<0.300	0.300	03/17/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/17/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2025	ND	210	105	200	0.511	
DRO >C10-C28*	<10.0	10.0	03/16/2025	ND	202	101	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	03/16/2025	ND					

Surrogate: 1-Chlorooctane *76.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/13/2025	Sampling Date:	03/13/2025
Reported:	03/19/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: H 2 @ SFC (H251519-09)

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	03/17/2025	ND	1.95	97.3	2.00	2.62	
Toluene*	<0.050	0.050	03/17/2025	ND	2.01	101	2.00	1.29	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.23	104	6.00	0.987	
Total BTEX	<0.300	0.300	03/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/17/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2025	ND	210	105	200	0.511	
DRO >C10-C28*	<10.0	10.0	03/16/2025	ND	202	101	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	03/16/2025	ND					

Surrogate: 1-Chlorooctane *75.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/13/2025	Sampling Date:	03/13/2025
Reported:	03/19/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: H 3 @ SFC (H251519-10)

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	03/17/2025	ND	1.95	97.3	2.00	2.62	
Toluene*	<0.050	0.050	03/17/2025	ND	2.01	101	2.00	1.29	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.23	104	6.00	0.987	
Total BTEX	<0.300	0.300	03/17/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/17/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2025	ND	210	105	200	0.511	
DRO >C10-C28*	<10.0	10.0	03/16/2025	ND	202	101	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	03/16/2025	ND					

Surrogate: 1-Chlorooctane *92.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: DiamondBack Disposals	**BILL TO**
Project Manager: Justin Roberts	P.O. #:
Address: 2525 NW County RD	Company: Lario Oil & Gas Company
City: Hobbs State: NM ZIP: 88240	Attn:
Phone #: (575)-392-9996	Address:
Project #: LAR-~~102~~ 103 3/13/25 Portland	City:
Project Name: Area 51 SWD ~~South~~ North 3/13/25 Portland	State: Zip:
Project Location: 32.74296, -103.541036	Phone #:
Sampler Name: Josh James	Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL ✓	OTHER :	SAMPLING: DATE	TIME	CL	EXT TPH	BTEX	FULL TCLIP	NORM
H25159																			
1	SP1 @ sfc	g	1			x					x		3/13/25	12:22 PM	x	x	x		
2	SP3 @ sfc	g	1			x					x		3/13/25	12:24 PM	x	x	x		
3	SP4 @ sfc	g	1			x					x		3/13/25	12:26 PM	x	x	x		
4	SP5 @ sfc	g	1			x					x		3/13/25	12:28 PM	x	x	x		
5	SP6 @ sfc	g	1			x					x		3/13/25	12:30 PM	x	x	x		
6	SP7 @ sfc	g	1			x					x		3/13/25	12:32 PM	x	x	x		
7	SP8 @ sfc	g	1			x					x		3/13/25	12:34 PM	x	x	x		
8	H1 @ sfc	g	1			x					x		3/13/25	12:36 PM	x	x	x		
9	H2 @ sfc	g	1			x					x		3/13/25	12:38 PM	x	x	x		
10	H3 @ sfc	g	1			x					x		3/13/25	12:40 PM	x	x	x		

Relinquished By:	Date: 3.13.25 Time: 1039	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: environmental@diamondbacknm.com
			REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.8 Corrected Temp. °C 4.1	Sample Condition Cool ☑ Yes Intact ☑ Yes ☐ No ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Bacteria (only) Sample Condition Rush ☐ Cool Intact Observed Temp. °C Thermometer ID #140 Correction Factor +0.3 ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

CARDINAL Laboratories

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

March 21, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AREA 51 SWD NORTH

Enclosed are the results of analyses for samples received by the laboratory on 03/17/25 16:46.

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

Cardinal Laboratories is accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Shalyn Rodriguez
Project Location:	32.74296, -103.541036		

Sample ID: SP 2 @ SFC (H251564-01)

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	03/19/2025	ND	2.00	100	2.00	2.95	
Toluene*	<0.050	0.050	03/19/2025	ND	2.05	103	2.00	1.49	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.00	100	2.00	0.861	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	5.96	99.3	6.00	0.959	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**7200**	16.0	03/18/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	219	110	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	203	101	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane *96.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Shalyn Rodriguez
Project Location:	32.74296, -103.541036		

Sample ID: SP 2 @ 4'6'' (H251564-02)

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	03/19/2025	ND	2.00	100	2.00	2.95	
Toluene*	<0.050	0.050	03/19/2025	ND	2.05	103	2.00	1.49	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.00	100	2.00	0.861	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	5.96	99.3	6.00	0.959	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	03/18/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	219	110	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	203	101	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *104 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Shalyn Rodriguez
Project Location:	32.74296, -103.541036		

Sample ID: SP 1 @ 2' (H251564-03)

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	03/19/2025	ND	2.00	100	2.00	2.95	
Toluene*	<0.050	0.050	03/19/2025	ND	2.05	103	2.00	1.49	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.00	100	2.00	0.861	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	5.96	99.3	6.00	0.959	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1470**	16.0	03/18/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	219	110	200	2.20	
DRO >C10-C28*	**21.6**	10.0	03/19/2025	ND	203	101	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *88.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Shalyn Rodriguez
Project Location:	32.74296, -103.541036		

Sample ID: SP 1 @ 2'6'' (H251564-04)

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	03/19/2025	ND	2.00	100	2.00	2.95	
Toluene*	<0.050	0.050	03/19/2025	ND	2.05	103	2.00	1.49	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.00	100	2.00	0.861	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	5.96	99.3	6.00	0.959	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	03/18/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	219	110	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	203	101	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *97.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.4 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Shalyn Rodriguez
Project Location:	32.74296, -103.541036		

Sample ID: SP 3 @ 2' (H251564-05)

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	03/19/2025	ND	2.00	100	2.00	2.95	
Toluene*	<0.050	0.050	03/19/2025	ND	2.05	103	2.00	1.49	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.00	100	2.00	0.861	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	5.96	99.3	6.00	0.959	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1410**	16.0	03/18/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	219	110	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	203	101	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *86.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Shalyn Rodriguez
Project Location:	32.74296, -103.541036		

Sample ID: SP 3 @ 2'6" (H251564-06)

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	03/19/2025	ND	2.00	100	2.00	2.95	
Toluene*	<0.050	0.050	03/19/2025	ND	2.05	103	2.00	1.49	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.00	100	2.00	0.861	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	5.96	99.3	6.00	0.959	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	03/18/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	219	110	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	203	101	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *109 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *106 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Shalyn Rodriguez
Project Location:	32.74296, -103.541036		

Sample ID: SP 7 @ 4' (H251564-07)

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	03/19/2025	ND	2.00	100	2.00	2.95	
Toluene*	<0.050	0.050	03/19/2025	ND	2.05	103	2.00	1.49	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.00	100	2.00	0.861	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	5.96	99.3	6.00	0.959	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3440**	16.0	03/18/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	219	110	200	2.20	
DRO >C10-C28*	**45.3**	10.0	03/19/2025	ND	203	101	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *106 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Shalyn Rodriguez
Project Location:	32.74296, -103.541036		

Sample ID: SP 8 @ 2'6'' (H251564-08)

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	03/19/2025	ND	2.00	100	2.00	2.95	
Toluene*	<0.050	0.050	03/19/2025	ND	2.05	103	2.00	1.49	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.00	100	2.00	0.861	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	5.96	99.3	6.00	0.959	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1280**	16.0	03/18/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	208	104	200	3.46	
DRO >C10-C28*	**18.5**	10.0	03/19/2025	ND	199	99.3	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *80.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Shalyn Rodriguez
Project Location:	32.74296, -103.541036		

Sample ID: SP 6 @ 4' (H251564-09)

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	03/19/2025	ND	2.00	100	2.00	2.95	
Toluene*	<0.050	0.050	03/19/2025	ND	2.05	103	2.00	1.49	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.00	100	2.00	0.861	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	5.96	99.3	6.00	0.959	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/18/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	199	99.3	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *76.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Shalyn Rodriguez
Project Location:	32.74296, -103.541036		

Sample ID: SP 8 @ 3' (H251564-10)

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	03/19/2025	ND	2.00	100	2.00	2.95	
Toluene*	<0.050	0.050	03/19/2025	ND	2.05	103	2.00	1.49	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.00	100	2.00	0.861	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	5.96	99.3	6.00	0.959	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/18/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	199	99.3	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *84.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Shalyn Rodriguez
Project Location:	32.74296, -103.541036		

Sample ID: SP 5 @ 3' (H251564-11)

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	03/19/2025	ND	2.00	100	2.00	2.95	
Toluene*	<0.050	0.050	03/19/2025	ND	2.05	103	2.00	1.49	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.00	100	2.00	0.861	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	5.96	99.3	6.00	0.959	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/18/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	199	99.3	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *79.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Shalyn Rodriguez
Project Location:	32.74296, -103.541036		

Sample ID: SP 7 @ 3' (H251564-12)

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	03/19/2025	ND	2.00	100	2.00	2.95	
Toluene*	<0.050	0.050	03/19/2025	ND	2.05	103	2.00	1.49	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.00	100	2.00	0.861	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	5.96	99.3	6.00	0.959	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**9200**	16.0	03/18/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	199	99.3	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *79.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: DiamondBack Disposals	**BILL TO**
Project Manager: Justin Roberts	P.O. #:
Address: 2525 NW County RD	Diamondback Disposal
City: Hobbs State: NM ZIP: 88240	Attn: Yesenia
Phone #: (575)-392-9996	Address:
Project #: LAR-103	City:
Project Name: Area 51 SWD North	State: Zip:
Project Location: 32.74296, -103.541036	Phone #:
Sampler Name: Josh James	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: CL	EXT TPH	BTEX	FULL TCLIP	NORM
H251564																			
1	SP2 @ sfc	grab	1			x					x		3/17/25	12:30 PM	x	x	x		
2	SP2 @ 4'6"	grab	1			x					x		3/17/25	12:32 PM	x	x	x		
3	SP1 @ 2'	grab	1			x					x		3/17/25	12:34 PM	x	x	x		
4	SP1 @ 2'6"	grab	1			x					x		3/17/25	12:38 PM	x	x	x		
5	SP3 @ 2'	grab	1			x					x		3/17/25	12:40 PM	x	x	x		
6	SP3 @ 2'6"	grab	1			x					x		3/17/25	12:42 PM	x	x	x		
7	SP7 @ 4'	grab	1			x					x		3/17/25	1:00 PM	x	x	x		
8	SP8 @ 2'6"	grab	1			x					x		3/17/25	1:30 PM	x	x	x		
9	SP6 @ 4'	grab	1			x					x		3/17/25	1:44 PM	x	x	x		
10	SP8 @ 3'	grab	1			x					x		3/17/25	1:46 PM	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 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Josh James	Date: 3.17.25 Time: 1646	Received By: S Rodriguez	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: environmental@diamondbacknm.com
Relinquished By:	Date: Time:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.4 Corrected Temp. °C 3.7	Sample Condition Cool: Yes Intact: Yes / No No	CHECKED BY: (Initials) SR

Turnaround Time: Standard ☑ Bacteria (only) Sample Condition
Rush ☐ Cool Intact Observed Temp. °C
Thermometer ID #140
Correction Factor +0.3
☐Yes ☐Yes ☐No ☐No Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: DiamondBack Disposals	**BILL TO**
Project Manager: Justin Roberts	P.O. #:
Address: 2525 NW County RD	Diamondback Disposal
City: Hobbs State: NM ZIP: 88240	Attn: Yesenia
Phone #: (575)-392-9996	Address:
Project #: LAR-103	City:
Project Name: Area 51 SWD North	State: Zip:
Project Location: 32.74296, -103.541036	Phone #:
Sampler Name: Josh James	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: CL	EXT TPH	BTEX	FULL TCLIP	NORM
H251564																			
11	SP5 @ 3'	G	1			X					X		3/17/25	1:48 PM	X	X	X		
12	SP7 @ 3'	G	1			X					X		3/17/25	1:50 PM	X	X	X		

Relinquished By:	Date: 3.17.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1646		All Results are emailed. Please provide Email address: environmental@diamondbacknm.com
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.4 Corrected Temp. °C 3.7	Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Bacteria (only) Sample Condition Rush ☐ Cool Intact Observed Temp. °C Thermometer ID #140 Correction Factor +0.3 ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

CARDINAL Laboratories

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

March 21, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: AREA 51 SWD NORTH

Enclosed are the results of analyses for samples received by the laboratory on 03/17/25 16:46.

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

Cardinal Laboratories is accreditated 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,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: H 6 @ SFC (H251567-01)

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	03/19/2025	ND	2.00	100	2.00	3.17	
Toluene*	<0.050	0.050	03/19/2025	ND	2.08	104	2.00	1.54	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	2.03	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.15	102	6.00	2.42	
Total BTEX	<0.300	0.300	03/19/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/18/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	199	99.3	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *85.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: H 7 @ SFC (H251567-02)

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	03/19/2025	ND	2.00	100	2.00	3.17	
Toluene*	<0.050	0.050	03/19/2025	ND	2.08	104	2.00	1.54	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	2.03	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.15	102	6.00	2.42	
Total BTEX	<0.300	0.300	03/19/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/18/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	199	99.3	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *79.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: H 8 @ SFC (H251567-03)

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	03/19/2025	ND	2.00	100	2.00	3.17	
Toluene*	<0.050	0.050	03/19/2025	ND	2.08	104	2.00	1.54	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	2.03	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.15	102	6.00	2.42	
Total BTEX	<0.300	0.300	03/19/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/18/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	199	99.3	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *80.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: H 9 @ SFC (H251567-04)

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	03/19/2025	ND	2.00	100	2.00	3.17	
Toluene*	<0.050	0.050	03/19/2025	ND	2.08	104	2.00	1.54	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	2.03	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.15	102	6.00	2.42	
Total BTEX	<0.300	0.300	03/19/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/18/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	199	99.3	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *75.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: H 4 @ SFC (H251567-05)

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	03/19/2025	ND	2.00	100	2.00	3.17	
Toluene*	<0.050	0.050	03/19/2025	ND	2.08	104	2.00	1.54	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	2.03	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.15	102	6.00	2.42	
Total BTEX	<0.300	0.300	03/19/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4080**	16.0	03/18/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	199	99.3	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

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CARDINAL Laboratories

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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:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	AREA 51 SWD NORTH	Sampling Condition:	Cool & Intact
Project Number:	LAR - 103	Sample Received By:	Alyssa Parras
Project Location:	32.74296, -103.541036		

Sample ID: H 5 @ SFC (H251567-06)

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	03/19/2025	ND	2.00	100	2.00	3.17	
Toluene*	<0.050	0.050	03/19/2025	ND	2.08	104	2.00	1.54	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	2.03	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.15	102	6.00	2.42	
Total BTEX	<0.300	0.300	03/19/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/18/2025	ND	464	116	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	199	99.3	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane *83.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.1 %* *40.6-153*

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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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: DiamondBack Disposals	**BILL TO**
Project Manager: Justin Roberts	P.O. #:
Address: 2525 NW County RD	Diamondback Disposal
City: Hobbs State: NM ZIP: 88240	Attn: Yesenia
Phone #: (575)-392-9996	Address:
Project #: LAR-103	City:
Project Name: Area 51 SWD North	State: Zip:
Project Location: 32.74296, -103.541036	Phone #:
Sampler Name: Josh James	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: CL	EXT TPH	BTEX	FULL TCLIP	NORM
H251267																			
1	H6 @ sfc	grab	1			x					x		3/17/25	1:36 PM	x	x	x		
2	H7 @ sfc	grab	1			x					x		3/17/25	1:38 PM	x	x	x		
3	H8 @ sfc	grab	1			x					x		3/17/25	1:40 PM	x	x	x		
4	H9 @ sfc	grab	1			x					x		3/17/25	1:42 PM	x	x	x		
5	H4 @ sfc	grab	1			x					x		3/17/25	1:32 PM	x	x	x		
6	H5 @ sfc	grab	1			x					x		3/17/25	1:34 PM	x	x	x		

Relinquished By:	Date: 3.17.25	Received By:	Verbal Result: ☐ Yes ☐ No — Add'l Phone #:
	Time: 1644		All Results are emailed. Please provide Email address: environmental@diamondbacknm.com
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 3.4 Corrected Temp. °C 3.7

Sample Condition: Cool ☑ Yes ☐ No — Intact ☐ Yes ☐ No

CHECKED BY: (Initials) KT

Turnaround Time: Standard ☑ Rush ☐ — Bacteria (only) Sample Condition: Cool ☐ Intact ☐ Observed Temp. °C

Thermometer ID #140 Correction Factor -0.3

☐ Yes ☐ No — ☐ Yes ☐ No — Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

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Phone: (505) 476-3441

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

QUESTIONS

Action 453498

QUESTIONS

Operator: LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	OGRID: 13089
	Action Number: 453498
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2506655962**
Incident Name	**NAPP2506655962 LARIO AREA 51 SWD PIPELINE @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Lario Area 51 SWD Pipeline
Date Release Discovered	03/06/2025
Surface Owner	State

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	*Not answered.*
Produced Water Released (bbls) Details	Cause: Corrosion | Pipeline (Any) | Produced Water | Released: 0 BBL (Unknown Released Amount) | Recovered: 300 BBL | Lost: -300 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 (continued)

Operator: LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	OGRID: 13089
	Action Number: 453498
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more;** **(?) reported amounts release resulting in negative volume.**
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: Jason Owsley Email: jasono@diamondbacknm.com Date: 04/18/2025

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QUESTIONS (continued)

Operator: LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	OGRID: 13089
	Action Number: 453498
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	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	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (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	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission		Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	14701
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	45.3
GRO+DRO	(EPA SW-846 Method 8015M)	45.3
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		05/15/2025
On what date will (or did) the final sampling or liner inspection occur		08/15/2025
On what date will (or was) the remediation complete(d)		08/01/2025
What is the estimated surface area (in square feet) that will be reclaimed		61695
What is the estimated volume (in cubic yards) that will be reclaimed		8814
What is the estimated surface area (in square feet) that will be remediated		61695
What is the estimated volume (in cubic yards) that will be remediated		8814
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

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QUESTIONS (continued)

Operator: LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	OGRID: 13089
	Action Number: 453498
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Owsley Email: jasono@diamondbacknm.com Date: 04/18/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator:	OGRID:
LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	13089
	Action Number: 453498
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS (continued)

Operator:	OGRID:
LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	13089
	Action Number: 453498
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

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

CONDITIONS

Operator: LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	OGRID: 13089
	Action Number: 453498
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved as written except with the following condition; 1. Prior to backfilling the open excavation per 19.15.29.12D (2) NMAC, Lario Oil & Gas Company (Lario) must collect a minimum of one (1) 5pc from the media being used as backfill to verify that it meets non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. 2. Lario has 90-days (July 22, 2025) to submit to OCD its appropriate or final remediation closure report.	4/24/2025