



26A-01240

## **Environmental Site Remediation Work Plan**

### **Green Clean Line Leak**

Incident ID: nAPP2602229583

NMSLO Lease Number: VB17890001

Coordinates: 32.26813754, -103.54896105

#### **Prepared for:**

Terra Oilfield Services

Devon Energy Production Company, LP

#### **Prepared by:**

Vertex Resource Services Inc.

#### **Date:**

April 2026

**Terra Oilfield Services**  
Green Clean Line Leak

**Environmental Site Remediation Work Plan**  
April 2026

**Environmental Site Remediation Work Plan**  
**Green Clean Line Leak**

**On behalf of:**

Terra Oilfield Services  
12120 W County Road 100  
Midland, Texas 79765

Devon Energy Production Company, LP  
5315 Buena Vista Drive  
Carlsbad, New Mexico 88220

**Prepared for:**

New Mexico Oil Conservation Division  
506 West Texas Avenue  
Artesia, New Mexico 88210

New Mexico State Land Office – ECO  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87501

**Prepared by:**

Vertex Resource Services Inc.  
3101 Boyd Drive  
Carlsbad, New Mexico 88220

*Katrina Taylor*  
\_\_\_\_\_  
Katrina Taylor, B.Sc.  
ENVIRONMENTAL TECHNICAN, REPORTING

April 16, 2026

\_\_\_\_\_  
Date

*Sally Carttar*  
\_\_\_\_\_  
Sally Carttar, B.Sc.  
PROJECT MANAGER, REPORT REVIEW

April 16, 2026

\_\_\_\_\_  
Date

## **Executive Summary**

Terra Oilfield Services (Terra) retained Vertex Resource Services Inc. (Vertex) to complete an initial site assessment and Remediation Work Plan for the Green Clean Line Leak (hereafter referred to as “site”). The associated facility is operated by Devon Energy Production Company, LP. (Devon) and the pump is operated by Terra. This Remediation Work Plan outlines the basic criteria that should be addressed during remediation and reclamation per the New Mexico State Land Office (NMSLO) ECO.

Vertex performed the initial site assessment on January 22, 2026, and identified an area of interest (AOI) on the right-of-way (ROW), around the pump on a layflat line. A second AOI was established as discoloration disconnected and down slope of the release. Twelve borehole soil samples were obtained inside and around the two areas of interest (AOIs) and were submitted for laboratory analysis of chlorides and hydrocarbons. Analytical results indicated that three of the borehole samples exceeded Closure Criteria as defined in 19.15.29 NMAC.

The following report proposes the drilling of a depth to groundwater well to prove a depth to groundwater >50ft, then the excavation of the release area to 4 feet below ground surface with appropriate safety benching and support of buried lines within the excavation. Final surface reclamation will be completed per NMSLO-ECO guidelines.

## Table of Contents

- 1.0 Introduction..... 1**
- 2.0 Background..... 1**
  - 2.1 Access.....1
  - 2.2 Site Description.....1
  - 2.3 Cultural Resources Compliance.....1
  - 2.4 Ecological Setting.....1
  - 2.5 Biological Compliance.....2
  - 2.6 Open Environmental Incident Search.....2
- 3.0 Site Evaluation..... 3**
  - 3.1 Assessment of Soil Suitability.....3
  - 3.2 Delineation of Unsuitable Soils.....4
    - 3.2.1 Area of Interest #1.....4
    - 3.2.2 Area of Interest #2.....5
- 4.0 Remediation Work Plan..... 5**
  - 4.1 Release Area.....5
  - 4.2 Confirmation Sampling.....5
- 5.0 Surface Reclamation Work Plan..... 6**
  - 5.1 End Land Use and Capability.....6
  - 5.2 Infrastructure.....6
  - 5.3 Site Reclamation.....6
    - 5.3.1 Soil Placement.....6
    - 5.3.2 Contouring.....6
    - 5.3.3 Fertilization.....6
    - 5.3.4 Seeding.....6
  - 5.4 Revegetation Standards.....7
  - 5.5 Weed Management.....7
- 6.0 Monitoring Program..... 7**
  - 6.1 Final Assessment and Closure Request.....7
- 7.0 Proposed Schedule..... 7**
- 8.0 References..... 8**
- 9.0 Limitations..... 10**

### **In-text Tables**

Table 1a. Closure Criteria for Soils Impacted by a Release

Table 1b. Closure Criteria for Soils Impacted by a Release with a Depth to Ground Water Well

### **List of Figures**

Figure 1. Lease Boundary

Figure 2. Site Map

Figure 3. Characterization Sample Site Schematic

Figure 4. Proposed Remediation Area with Sample Points

Figure 5. Proposed Reclamation Area

### **List of Tables**

Table 2. Initial Characterization Laboratory Results

### **List of Appendices**

Appendix A. Notification of Release

Appendix B. Closure Criteria

Appendix C. C141

Appendix D. Biological Review

Appendix E. Archeological Survey

Appendix F. Daily Field Reports

Appendix G. Laboratory Certificates of Analyses

## 1.0 Introduction

Terra Oilfield Services retained Vertex Resource Services Inc. (Vertex) to complete an initial site assessment and Remediation Work Plan for the Green Clean Line Leak (the "site"). This Site Remediation Work Plan provides a summary of actions conducted to date and proposes additional characterization and remediation activities.

## 2.0 Background

### 2.1 Access

The site is located approximately 21.1 miles west of Jal on New Mexico State Trust Lands. Figure 1 shows the site relative to lease boundaries.

Lease Holder: Devon Energy Production, LP  
Lease/ROE Permit Number: VB17890001  
Unit Letter D. Section 35, Township 23 South, Range 33 East  
Lea County  
Latitude, Longitude: 32.26813754, -103.54896105

The site can be accessed from the intersection of CR-2A & Brininstool Rd head E for 1.9mi, arrived at unlocked gate with chain on right, left/south 300ft, right 300ft, right 300ft to the location. There are no other access issues.

### 2.2 Site Description

The site is a right-of-way (ROW) for oil and gas operations (Figure 2). Surface and subsurface minerals are owned by New Mexico State Land Office. The site is situated in a mostly flat area surrounded by loamy fine sand plains with grassy mesquite shrublands. Grama grasses and forbs are present in the surrounding pasture. The ROW on which the site is located is predominantly devoid of vegetation.

### 2.3 Cultural Resources Compliance

After a site assessment evaluation, the proposed work areas are situated within and outside the boundaries of historical disturbance from the construction of the ROW, which is subject to the need and applicability of the Cultural Properties Protection Rule. A cultural resources review and survey was conducted on February 2, 2026, and the results turned up with negative findings. The proposed work will remain confined within areas of survey and majority of historical disturbances.

Should remedial activities require any additional new surface disturbance or any cultural properties be encountered during the course of the remediation activities, appropriate measures will be taken in accordance with State regulations, including immediate cessation of work and notification to NMSLO's ECO division.

### 2.4 Ecological Setting

The site is situated in the Chihuahuan Basins and Playas level IV 24a Ecoregion (Griffith et al., 2006). This ecoregion is characterized as having the following natural vegetation: shrub dominated with primarily mesquite and shinnery oak.

The site is within the Berino-Cacique loamy fine sands association (Appendix B) and classified as "Not prime farmland".

The Berino typical soil profile consists of:

- H1 – 0 to 6 inches: loamy fine sand
- H2 – 6 to 60 inches: sandy clay loam
- With a depth to restrictive layer at more than 80 inches

The Cacique typical soil profile consists of:

- H1 – 0 to 12 inches: loamy fine sand
- H2 – 12 to 28 inches: sandy clay loam
- H3 – 28 to 38 inches: cemented material
- With a depth to a petrocalcic restrictive layer at 20 to 40 inches

Mean annual air temperature is 61 °F. Mean annual precipitation is between 8 to 13 inches and the frost-free period is between 207 and 220 days.

## 2.5 Biological Compliance

Review of critical habitats identified two potentially affected species and no critical habitats. The biological review is included in Appendix D. Critical habitats reviewed include:

- Birds
- Fishes
- Insects
- Refuge Lands
- Fish Hatcheries
- Wetlands

While no critical habitat was identified, reclamation activities will proceed with caution in order to avoid potential impacts to threatened or proposed threatened species including, but not limited to, the Northern Aplomado Falcon (*Falco femoralis septentrionalis*) and the Monarch Butterfly (*Danaus plexippus*).

In the event that any special status species are encountered during reclamation activities, appropriate measures will be implemented. These measures will include immediate cessation of work in the affected area, consultation with a qualified biologist, and coordination with NMSLO and relevant environmental agencies to determine the necessary protection and mitigation strategies.

## 2.6 Open Environmental Incident Search

There are no other open environmental incidents associated with the site according to a NMOCD Incidents and Spill search.

### 3.0 Site Evaluation

Initial site assessment occurred on January 22, 2026, by Vertex personnel. Vegetation is sparse throughout the site and little to no vegetation exists in the area immediately along the ROW. Documentation of the site visits is included in the daily field reports and remediation inspection report (Appendix F) and summarized below:

- Surface staining, consistent with chlorides, was visible around the pump and layflat leading southeast
- Release effect on the vegetation in area was unable to be determined, as the surrounding vegetation is dormant
- Sampling around the impacted area determined the release area

Google Earth imagery was evaluated from 1997 through 2023 and shows consistent vegetative cover for the overall area with void areas as modifications with ROW appears. The area where pump and layflat lines are consistent with limited vegetation. This area is identified as an area of interest (AOI) and is discussed in Section 3.2, below.

#### 3.1 Assessment of Soil Suitability

The site is outside of 0.5 miles radius for depth to ground water reference, therefore the most stringent Closure Criteria per Table 1 of NMAC 19.15.29 applies. Closure Criteria determination is presented in Table 1 and Appendix B. Closure Criteria is defined per the table below.

<b>Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS</b>	<b>Constituent</b>	<b>Limit</b>
< 50 feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – total dissolved solids

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics

BTEX – benzene, toluene, ethylbenzene and xylenes

A soil boring was drilled on December 16, 2024, for an unrelated incident at the THISTLE UNIT #010, 0.81 miles northwest by Vision Resources for Devon. The boring was drilled to a depth of 55 feet below ground surface (bgs). The open borehole was temporarily cased and stabilized. After 72 hours, the borehole was gauged for groundwater. No groundwater was detected. The borehole log C-4895 is also presented in Appendix B.

A depth to groundwater well is intended to be drilled within 0.5 miles of the release to 55 ft to confirm a dry hole. Upon the completion of a successful dry hole the closure criteria for the location will be 51-100 feet bgs.

<b>Table 1b. Closure Criteria for Soils Impacted by a Release with a Depth to Ground Water Well</b>		
<b>Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS</b>	<b>Constituent</b>	<b>Limit</b>
51-100 feet, 0-4ft bgs	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg
51-100 feet, >4ft bgs	Chloride	10,000 mg/kg
	TPH (GRO+DRO)	1,000 mg/kg
	TPH (GRO+DRO+MRO)	2,500 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – total dissolved solids

bgs – below ground surface

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics

BTEX – benzene, toluene, ethylbenzene and xylenes

For the purpose of this document, soil suitability is defined as:

- Suitable Soils – soils that meet the above Closure Criteria concentrations and consists of compositions that support vegetative growth (i.e., topsoil)
- Unsuitable Soils – soils that exceed the above Closure Criteria
- Undesirable Soils – soils that meet the above Closure Criteria and consists of caliche, gypsum, limestone or compositions that inhibit vegetation growth

### 3.2 Delineation of Unsuitable Soils

Two AOI were identified during the on-site assessment. The AOI are discussed below and are represented on Figure 2.

Soil samples from the following AOI were collected as discrete grabs and laboratory analyzed for the constituents of concern identified in the Closure Criteria. A summary of analytical results is presented in Table 3. Laboratory Certificates of Analyses and Chain of Custody forms are presented in Appendix G.

#### 3.2.1 Area of Interest #1

Area of Interest #1 is the AOI to the northwest around the pump, and is defined as the initial saturation area. Nine boreholes relating to AOI #1 were established during the on-site assessments. Five delineation points collected at 0 and 2 ft bgs (BH26-01, BH26-04, BH26-05, BH26-12, and BH26-13) horizontally delineate the AOI. Horizontal delineation points were placed in all four cardinal directions as well as one between AOI #1 and AOI #2 to confirm that the AOI are independent. Two vertical delineation points were established inside AOI #1, and two points were established just to the east of AOI #1. The northern area of AOI #1 is vertically delineated to strictest criteria by

BH26-03 at 4ft bgs. The southwest area of AOI #1 is vertically delineated to strictest by BH26-02 at 8 ft bgs. The area just east of AOI #1 is vertically delineated to strictest by TP26-01 (a continuation of BH26-06) at 11 ft bgs. TPH, benzene, and BTEX were below laboratory detection levels for all soil samples.

### **3.2.2 Area of Interest #2**

Area of Interest #2 was established as the visual discoloration down slope of the right of way to the southeast of the pump and disconnected from AOI #1. Seven delineation points (BH26-05, BH26-07, BH26-08, BH26-09, BH26-10, and BH26-11) were collected at 0 and 2 ft bgs on or around the AOI. All of the soils were below laboratory detection limits for all 19.15.29 Table 1 constituents. Thus, establishing AOI #2 as not a part of the release area and suggesting the discoloration observed was independent from the release of contaminants.

## **4.0 Remediation Work Plan**

### **4.1 Release Area**

The release area was established as a 6,418 sq ft area encompassing AOI #1 and all soil samples above NMOCD strictest criteria. The release area and characterization samples are depicted in Figure 3.

Upon the successful drilling of a depth to groundwater well which presents dry or has a water surface at greater than 50 ft, closure criteria will be established as 51 to 100 ft bgs. All soils taken to date from 4 to 10 feet bgs would meet reclamation closure criteria. As such, the entire release area would be excavated to a depth of 4 ft bgs. Additional excavation may be required in increments of 1 foot until closure criteria for all Table 1 constituents is met in every 200 sq ft grid of the excavation base and walls. Figure 4 shows the proposed remediation areas and sample locations for a depth to ground water of 51 to 100 ft. Unsuitable soils (see Section 3.1 for definition) will be excavated and transported to an approved disposal facility.

If a depth to groundwater greater than 50 ft bgs cannot be established, remediation of the site will follow the description set forth in this paragraph. The soil samples collected to date show chloride impacted soils above Closure Criteria for greater than 50 ft bgs to groundwater in the upper 10 feet around TP26-01, in the upper 6 feet around BH26-02, and in the upper 2 feet around BH26-03. All unsuitable soils to those depths would have to be removed. Additional excavation would be required in increments of 1 foot until closure criteria for all Table 1 constituents is met in every 200 sq ft grid of the excavation base and walls.

### **4.2 Confirmation Sampling**

Composite confirmation samples will be collected with 5 grabs each representing no more than 200 sq.ft. of the excavation walls and base. Discrete samples will be collected of any area that may show staining. OCD and SLO-ECO will be notified at least 48 hours prior to each sampling event. All confirmation samples will be sent to an accredited laboratory and analyzed for chloride, BTEX, benzene, and TPH. Upon laboratory confirmation, the excavation area will be reclaimed as discussed in the following subsections and in Section 5.

## 5.0 Surface Reclamation Work Plan

### 5.1 End Land Use and Capability

The site will be reclaimed so that the capability of the land will match that of the areas immediately surrounding the site. Figure 5 shows the proposed reclamation areas to be that of the proposed disturbed areas.

### 5.2 Infrastructure

All remaining equipment including pipeline risers, pipeline at surface, and surface poly flowlines will be properly returned in place of the ROW and in working order by appropriate vendors per applicable NMOCD and NMSLO standards. Photo documentation of the remaining pipeline infrastructure is included in Appendix F.

### 5.3 Site Reclamation

Undesirable materials (See Section 3.1 for definition) will be stockpiled on a liner and will be transported off-site for disposal to an approved disposal facility.

#### 5.3.1 Soil Placement

Topsoil will be hauled-in to replace the materials removed. Suitable material (i.e., topsoil) will match the native background soil profile with a minimum depth of 18 inches for final seedbed preparation, or as site condition allow. Topsoil will be placed to match the surface level of surrounding landscape, imitating the original landform as much as possible.

#### 5.3.2 Contouring

The site will be contoured to match the surrounding topography followed by decompaction by cross-ripping to a depth of 18 inches (or as site conditions allow). The area will then be lightly graded to maintain conformity with the surrounding topography.

No erosion control is required at this this time. Erosion control requirements will be re-evaluated during bi-annual inspections.

#### 5.3.3 Fertilization

No fertilization is currently required. Fertilization requirements will be re-evaluated during bi-annual inspections.

#### 5.3.4 Seeding

A seed mix suitable for the site and surrounding area will be used and applied at appropriate rates. Seed establishment and revegetation will be monitored bi-annually to determine success. A NMSLO loamy seed mix will be obtained for the site and administered at an application rate of 18 PLS/acre. Methods of seeding will be completed using a tractor with either a no-till seed drill or broadcast seeded followed by chain-dragging at the double application rate of PLS/acre.

Following seeding operations, the seed tags will be made available to the NMSLO, along with a copy of the materials certification in a "Reclamation Activities Report".

#### 5.4 Revegetation Standards

Revegetation of all disturbed areas is complete when uniform vegetative cover has been established that reflects a life-form ratio of plus or minus 50% of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds.

#### 5.5 Weed Management

The site will be monitored for vegetative growth throughout all phases of the project. Should State classified noxious weeds be identified on-site, a control program will be implemented and managed as required.

Weed management programs will identify weed species of concern and utilize effective control methods. These methods include but are not limited to chemical (herbicide) control, mechanical (mowing) control or biological control as approved by governing regulatory agencies.

### 6.0 Monitoring Program

Bi-annual inspections will be conducted, during the growing season, to monitor reclamation progression and assess the need for additional best management practices (BMPs). Inspections will include photographs of the site and BMPs implemented.

#### 6.1 Final Assessment and Closure Request

After reclamation activities have been completed, a "Reclamation Activities Report" will be completed and submitted to NMSLO's ECO. The report will provide a summary of reclamation work performed, site photographs, and suggested corrective actions if applicable.

### 7.0 Proposed Schedule

Following OCD and SLO-ECO acceptance of this Reclamation Work Plan:

- 30 Days – Drill a depth to ground water well
- 60 Days – Excavated the contaminated soils
- 90 Days – Submission of the Remediation and Reclamation Closure report

## 8.0 References

Google Inc. (2026). *Google Earth Pro (Version 7.3.3)* [Software]. Retrieved from <https://earth.google.com>

Griffith, G.E., Omernik, J.M., McGraw, M.M., Jacobi, G.Z., Canavan, C.M., Schrader, T.S., Mercer, D., Hill, R., and Moran, B.C. (2006). *Ecoregions of New Mexico*. Available at: <https://www.epa.gov/eco-research/ecoregion-download-files-state-region-6#pane-29>

Natural Resources Conservation Service. (2012, Reprint 2021). *Field Book for Describing and Sampling Soils Version 3.0*. National Soil Survey Center: Natural Resources Conservation Service. U.S. Department of Agriculture. Pg. 2-89. Retrieved from: <https://www.nrcs.usda.gov/sites/default/files/2022-09/field-book.pdf>

New Mexico Oil Conservation Division. (2018). *New Mexico Administrative Code – Natural Resources and Wildlife Oil and Gas Releases*. Santa Fe, New Mexico.

United States Department of Agriculture, Natural Resources Conservation Service. (2024). *Web Soil Survey*. Retrieved from: <https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

United States Fish and Wildlife Service, Ecological Services Program. (2025). *IPaC: Information for Planning and Consultation*. Retrieved from <https://ipac.ecosphere.fws.gov/location/index>

## **9.0 Limitations**

This report has been prepared for the sole benefit of Terra Oilfield Services. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division and the New Mexico State Land Office, without the express written consent of Vertex Resource Services Inc. (Vertex) and Terra Oilfield Services. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

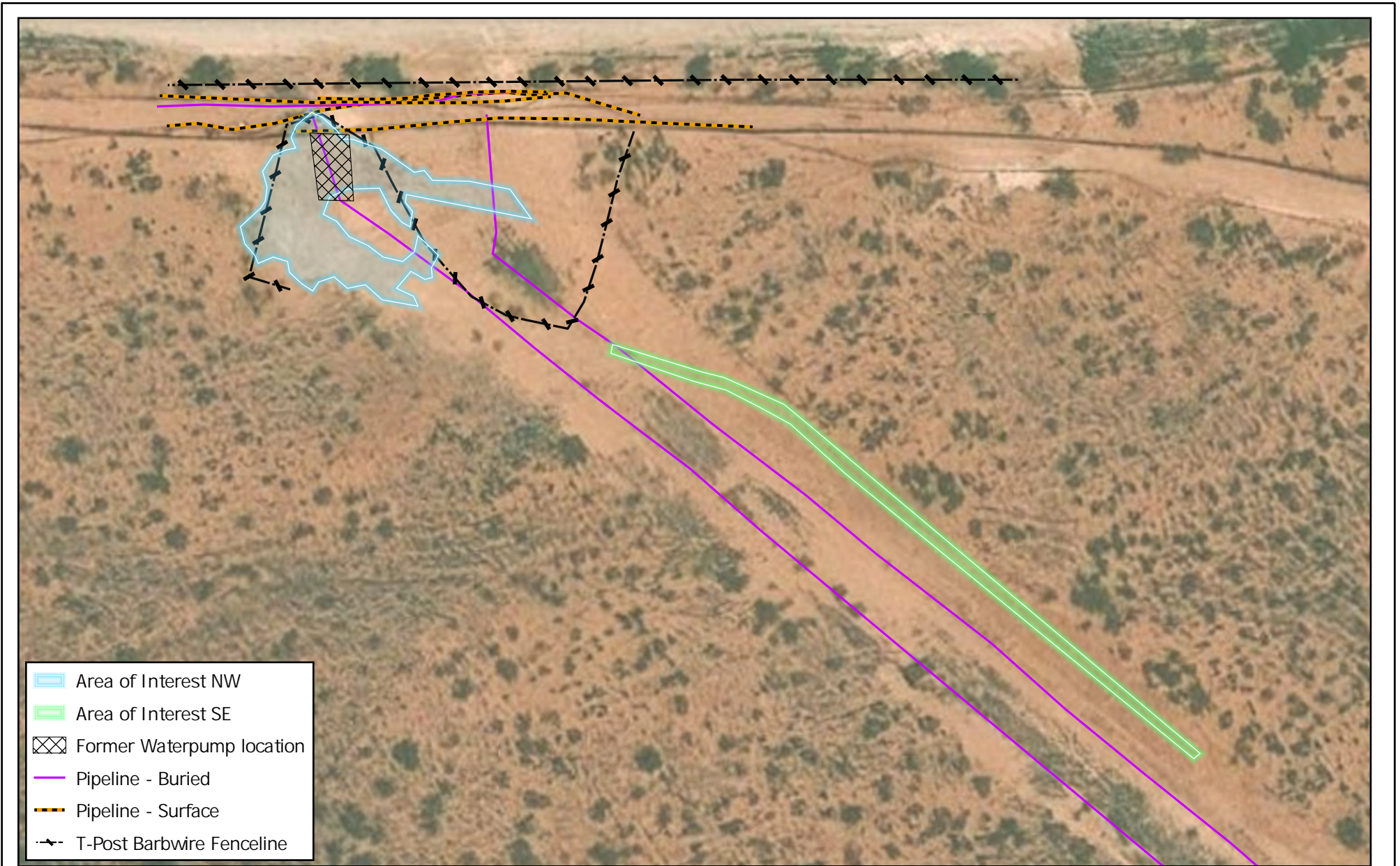
## Figures









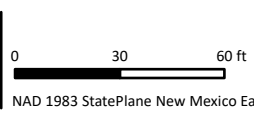
	<p>Map Center: Lat/Long: 32.2668°N, 103.547172°W</p> <p>Date: Mar 31/26</p> <p>NAD 1983 StatePlane New Mexico East FIPS 3001 Feet</p>		<p>Lease Boundary Green Clean Line Leak</p>	<p>FIGURE: 1</p>	<p>Terra Oilfield Services</p>
--	---	--	---	----------------------	--

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.



-  Area of Interest NW
-  Area of Interest SE
-  Former Waterpump location
-  Pipeline - Buried
-  Pipeline - Surface
-  T-Post Barbwire Fenceline



Map Center:  
Lat/Long: 32.267826°N, 103.548616°W

Date: Apr 09/26



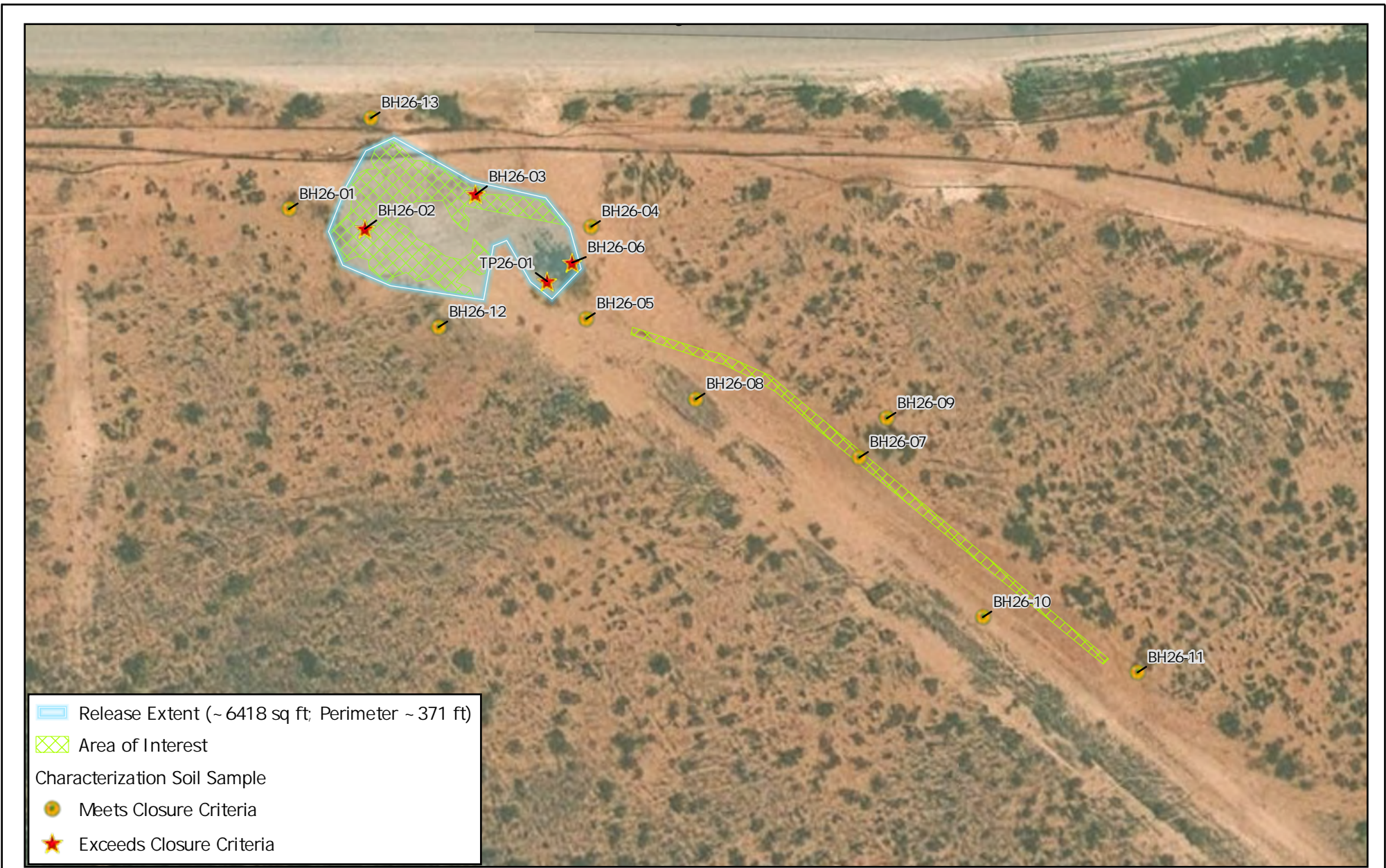
Site Map  
Green Clean Line Leak

FIGURE: 2 Terra Oilfield Services

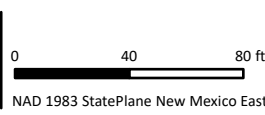
Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.



  Release Extent (~ 6418 sq ft; Perimeter ~ 371 ft)  
  Area of Interest  
 Characterization Soil Sample  
● Meets Closure Criteria  
★ Exceeds Closure Criteria



Map Center:  
 Lat/Long: 32.267772°N, 103.54862°W

Date: Apr 09/26



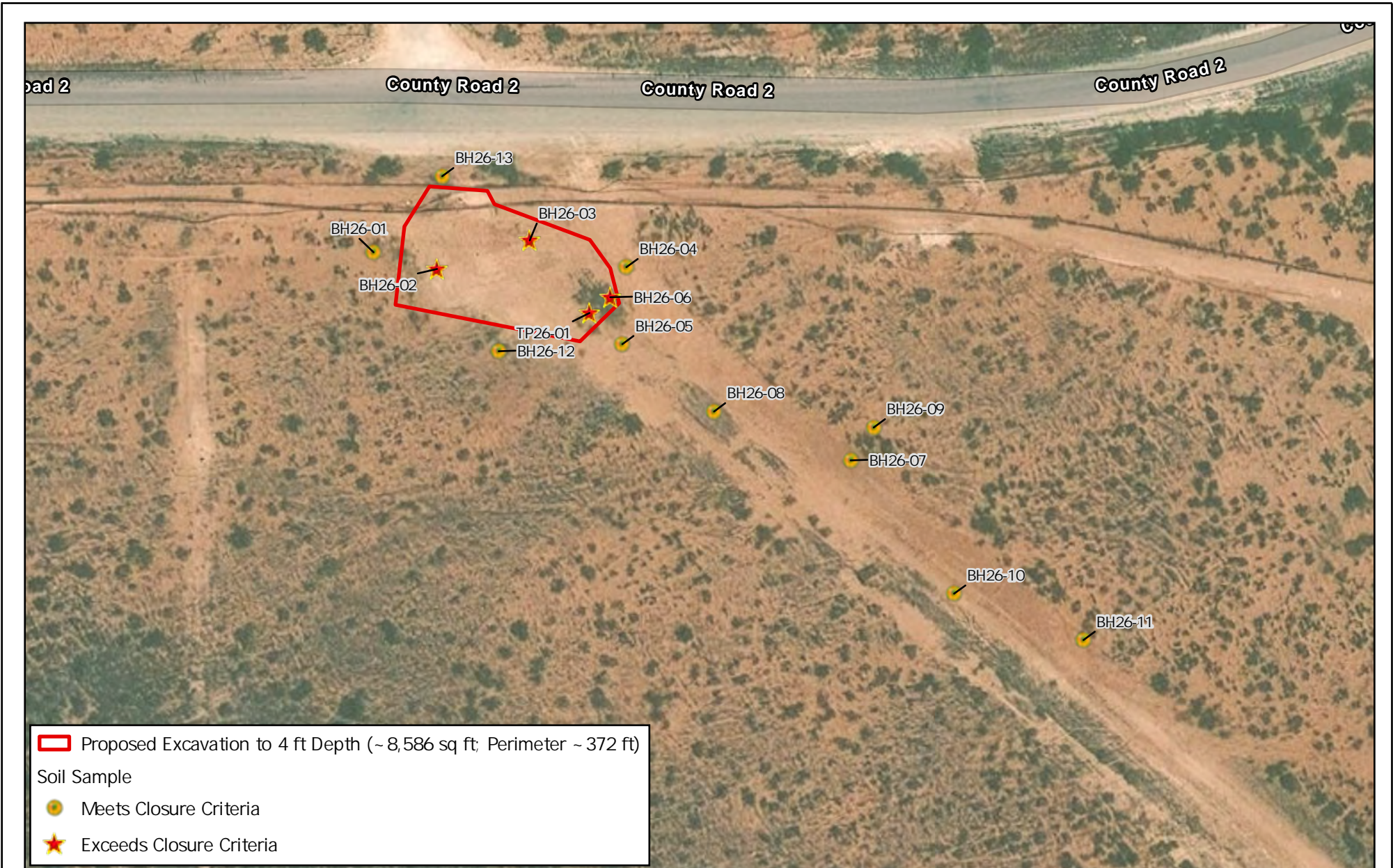
Characterization Sample Site Schematic  
 Green Clean Line Leak

FIGURE:  
 3


Terra  
 Oilfield  
 Services

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.




Proposed Excavation to 4 ft Depth (~ 8,586 sq ft; Perimeter ~ 372 ft)  
 Soil Sample  
● Meets Closure Criteria  
★ Exceeds Closure Criteria



NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Map Center:  
Lat/Long: 32.267779°N, 103.548648°W

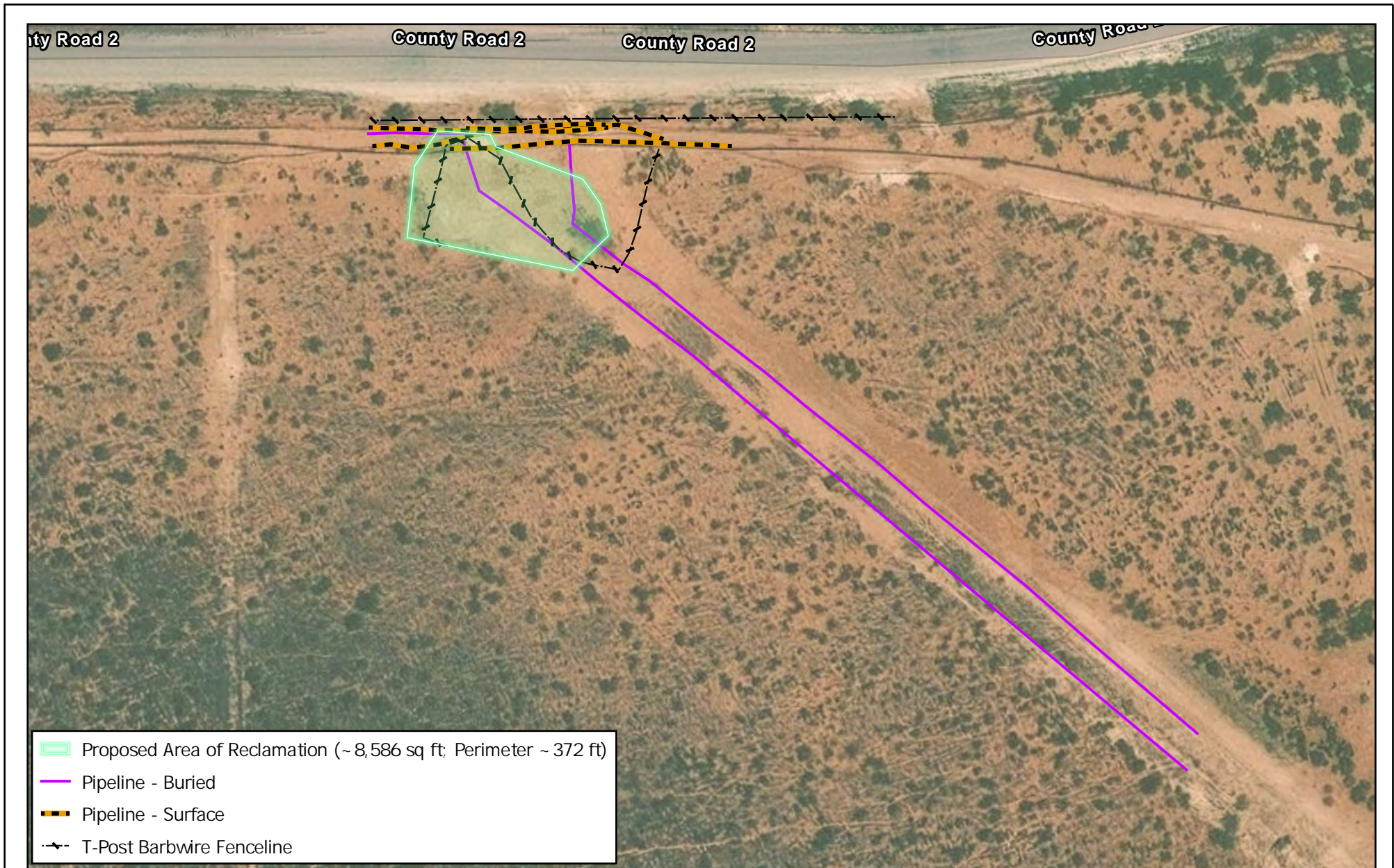
Date: Mar 31/26



Proposed Remediat on Area with Sample Points  
Green Clean Line Leak

FIGURE:	4	Terra Oilfield Services
---------	---	-------------------------------

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes. Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.



	<p>Map Center: Lat/Long: 32.267628°N, 103.548606°W</p> <p>Date: Mar 31/26</p> <p>NAD 1983 StatePlane New Mexico East FIPS 3001 Feet</p>		<p>Proposed Reclamation Area Green Clean Line Leak</p>	<p>FIGURE: 5</p> <p>Terra Oilfield Services</p>
--	---	--	--	---

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.

## **Tables**

Client Name: Devon Energy Production Company, LP  
 Site Name: Green Clean Line Leak  
 NMOCD Tracking #: nAPP2602229583  
 Project #: 26A-00738  
 Lab Report: 885-43582-1, 885-45282-1, 885-45910-1

Table 2. Initial Characterization Laboratory Results

Sample Description			Petroleum Hydrocarbons							Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile		Extractable					Chloride Concentration (mg/kg)
			Benzene (mg/kg)	BTEX (Total) (mg/kg)	Gasoline Range Organics (GRO) (mg/kg)	Diesel Range Organics (DRO) (mg/kg)	Motor Oil Range Organics (MRO) (mg/kg)	(GRO + DRO) (mg/kg)	Total Petroleum Hydrocarbons (TPH) (mg/kg)	
BH26-01	0	February 16, 2026	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 16, 2026	ND	ND	ND	ND	ND	ND	ND	ND
BH26-02	0	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	460
	2	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	<b>4,600</b>
	4	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	<b>3,700</b>
	6	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	<b>940</b>
	8	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	500
BH26-03	0	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	<b>4,500</b>
	2	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	<b>4,500</b>
	4	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	340
BH26-04	0	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	ND
BH26-05	0	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	ND
BH26-06	0	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	570
	2	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	<b>3,200</b>
	4	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	<b>1,900</b>
	6	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	<b>3,200</b>
	8	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	<b>2,500</b>
	9	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	<b>5,700</b>
BH26-07	0	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 15, 2026	ND	ND	ND	ND	ND	ND	ND	ND
BH26-08	0	February 16, 2026	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 16, 2026	ND	ND	ND	ND	ND	ND	ND	ND
BH26-09	0	February 16, 2026	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 16, 2026	ND	ND	ND	ND	ND	ND	ND	ND
BH26-10	0	February 16, 2026	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 16, 2026	ND	ND	ND	ND	ND	ND	ND	ND
BH26-11	0	February 16, 2026	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 16, 2026	ND	ND	ND	ND	ND	ND	ND	ND
BH26-12	0	March 23, 2026	ND	ND	ND	ND	ND	ND	ND	ND
	2	March 23, 2026	ND	ND	ND	ND	ND	ND	ND	ND
BH26-13	0	March 23, 2026	ND	ND	ND	ND	ND	ND	ND	ND
	2	March 23, 2026	ND	ND	ND	ND	ND	ND	ND	ND
TP26-01	11	March 11, 2026	ND	ND	ND	ND	ND	ND	ND	390

"ND" Not Detected at the Reporting Limit

**Bold and green shaded indicates exceedance outside of NMOCD Reclamation Criteria (off-pad)**



## **APPENDIX A – Notification of Release**



Outlook

---

**Spill Notification Receipt - Devon Spill Report (Green Clean) - nAPP2602229583**

---

**From** SLO Spills <spills@nmslo.gov>**Date** Thu 1/22/2026 4:30 PM**To** Raley, Jim <Jim.Raley@dnv.com>; SLO Spills <spills@nmslo.gov>**Cc** Sally Carttar <SCarttar@vertexresource.com>; Michael Moffitt <MMoffitt@vertexresource.com>; mccullarandsonwelding@gmail.com <mccullarandsonwelding@gmail.com>

**Caution:** This email is from an external sender. Please take care when clicking links or opening attachments. When in doubt, contact your IT Department

**RE:** Devon; Green Clean Layflat Line; Lease # VB17890001/Lessee Devon**Incident #:** nAPP2602229583**ROE #:** NA**Notification Received:** 1/20/26

Thank you for notifying the NMSLO Environmental Compliance Office (ECO) of the incident or release noted in the subject line above and the potential impact to State Trust Land (STL). Once the release is stopped and contained, your cooperation in completing the subsequent remediation tasks is appreciated:

1. Identify compliance requirements for the Cultural Properties Protection (CPP) Rule (19.2.24 NMAC).
2. Using the Biological Compliance Resources below, identify any biologically sensitive areas and the avoidance, minimization, or mitigation measures appropriate for such areas.
3. Apply for a Right of Entry (ROE) for Remediation via Commercial Resources Division (CRD) if any part of the remediation occurs off of the active lease; the responsible party is not an authorized operator on the active lease; or if the remediation work is being conducted on an expired lease. A Site Delineation Plan and Reclamation Workplan are required for the ROE application.
4. If the Remediation Closure Report is not submitted within 90 days of discovery of the release, a Site Delineation Plan must be submitted to [eco@nmslo.gov](mailto:eco@nmslo.gov) for review and approval. If delineation and remediation happen concurrently, a Remediation Workplan must be submitted to [eco@nmslo.gov](mailto:eco@nmslo.gov) in place of a Site Delineation Plan.
5. Subsequent Workplans and Reports that must be submitted to ECO include:
  - **Remediation Workplan;**
  - **Reclamation Workplan; or**
  - **Combined Remediation and Reclamation Workplan;**
  - **Remediation Closure Report; or**
  - **Combined Remediation Closure Report and Reclamation Activities Report;**
  - **Reclamation Activities Report; and**
  - **Final Reclamation Report**

Instructions on the required content of each Workplan and Report can be found at the following website:  
<https://www.nmstatelands.org/resources/forms-and-applications/>

**SAMPLING NOTIFICATIONS**

Written notification of the confirmation sampling event must be submitted to ECO a minimum of two (2) business days before the sampling event, or as directed by ECO. Please submit notifications to [eco@nmslo.gov](mailto:eco@nmslo.gov)

with the subject line as follows: **(Sampling Notification) Company-Location Name (API/Incident #)-Date of Incident.**

### LINER INSPECTION NOTIFICATIONS

Written notification of the liner inspection event must be submitted to ECO a minimum of two (2) business days before the inspection event, or as directed by ECO. Please submit notifications to [eco@nmslo.gov](mailto:eco@nmslo.gov) with the subject line as follows: **(Liner Inspection Notification) Company-Location Name (API/Incident #)-Date of Incident.**

### NMSLO RESOURCES

RIGHT OF ENTRY FORMS AND RIGHTS OF WAY FORMS: <https://www.nmstatelands.org/resources/forms-and-applications/>

ECO GUIDANCE DOCUMENTS: Environmental Compliance Office:

<https://www.nmstatelands.org/resources/forms-and-applications/>

LEASE STATUS MAP: <https://mapservice.nmstatelands.org/LandStatus/>

OIL & GAS MANUAL: <https://www.nmstatelands.org/wp-content/uploads/2025/09/Oil-and-Gas-Manual-2026.pdf>

LEASE SEARCH: <https://secure.slo.state.nm.us/Applications/SLOConnect/>

### CULTURAL PROPERTIES PROTECTION RULE (19.2.24 NMAC)

A. As soon as possible, when a new release or damage occurs on STL, contact a Cultural Resource Consultant who will:

1. Conduct an Archaeological Records Management System (ARMS) review to determine if any known cultural properties have been previously identified within the remediation area and if the area has been surveyed for cultural resources.
2. Advise as to whether an archaeological monitor should be present during initial containment activities and subsequent remediation efforts.
3. Advise as to whether a full cultural properties survey will be required after containment and before full remediation.

B. A list of cultural resource consultants permitted to conduct work on state lands is maintained here:

<https://www.nmhistoricpreservation.org/documents/consultants.html>

C. To learn more about NMSLO's Cultural Properties Protection Rule visit:

<https://www.nmstatelands.org/divisions/cultural-resources-office/culturalproperties/> . The Cultural Resources Office can be contacted by email at [croinfo@nmslo.gov](mailto:croinfo@nmslo.gov) or 505-827-5781.

### BIOLOGICAL COMPLIANCE & REPORTING

Utilize the resources below to determine if the site activities are occurring in a sensitive or restricted area. ECO recommends consulting with a qualified third-party biologist for evaluation of potential impacts to threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, and sensitive soils before conducting remediation and reclamation activities.

### BIOLOGICAL COMPLIANCE RESOURCES

Critical Habitat Assessment Tool (CHAT): <https://nmchat.org/data-download.html>

New Mexico State Land Office Land Status Map <https://mapservice.nmstatelands.org/LandStatus>

U.S. Fish and Wildlife Services Information for Planning and Consultation: <https://ipac.ecosphere.fws.gov/>

BISON-M database: <https://bison-m.org/>

New Mexico Department of Game and Fish Environmental Review Tool (ERT): <https://nmert.org/content/map>

Open Enviro Map Wetlands: <https://gis.web.env.nm.gov/oem/?map=wetlands>

BLM NM Plant Wildlife Habitat GIS Layer:

[https://gis.blm.gov/nmargis/rest/services/Wildlife/BLM\\_NM\\_Plant\\_Wildlife\\_Habitat/MapServer](https://gis.blm.gov/nmargis/rest/services/Wildlife/BLM_NM_Plant_Wildlife_Habitat/MapServer)

BLM Statewide Spatial Data (<https://gbp-blm-egis.hub.arcgis.com/pages/newmexico>)

Open Enviro Map Wetlands (<https://gis.web.env.nm.gov/oem/?map=wetlands>)



**Environmental Compliance Office**  
New Mexico State Land Office



[eco@nmslo.gov](mailto:eco@nmslo.gov)  
[nmstatelands.org](http://nmstatelands.org)



.....  
**CONFIDENTIALITY NOTICE** - This e-mail transmission, including all documents, files, or previous e-mail messages attached hereto, may contain confidential and/or legally privileged information. If you are not the intended recipient, or a person responsible for delivering it to the intended recipient, you are hereby notified that you must not read this transmission and that any disclosure, copying, printing, distribution, or use of any of the information contained in and/or attached to this transmission is STRICTLY PROHIBITED. If you have received this transmission in error, please immediately notify the sender and delete the original transmission and its attachments without reading or saving in any manner. Thank you.

---

**From:** Raley, Jim <Jim.Raley@dvn.com>  
**Sent:** Thursday, January 22, 2026 8:45 AM  
**To:** SLO Spills <spills@nmslo.gov>  
**Cc:** Sally Carttar <scarttar@vertexresource.com>; Michael Moffitt <mmoffitt@vertexresource.com>; mccullarandsonwelding@gmail.com  
**Subject:** [EXTERNAL] Devon Spill Report (Green Clean) nAPP2602229583

SLO,  
On January 19, 2026, Devon Energy experienced a release of approximately 131 barrels of produced water from a layflat transfer line, due to equipment failure. Approximately 16 barrels were recovered. The incident occurred at coordinates (32.2681, -103.5489).

This incident has been reported to the NMOCD and assigned case number nAPP2602229583.

Jim Raley | Environmental Professional - Permian Basin  
5315 Buena Vista Dr., Carlsbad, NM 88220  
C: (575)689-7597 | [jim.ralej@dvn.com](mailto:jim.ralej@dvn.com)

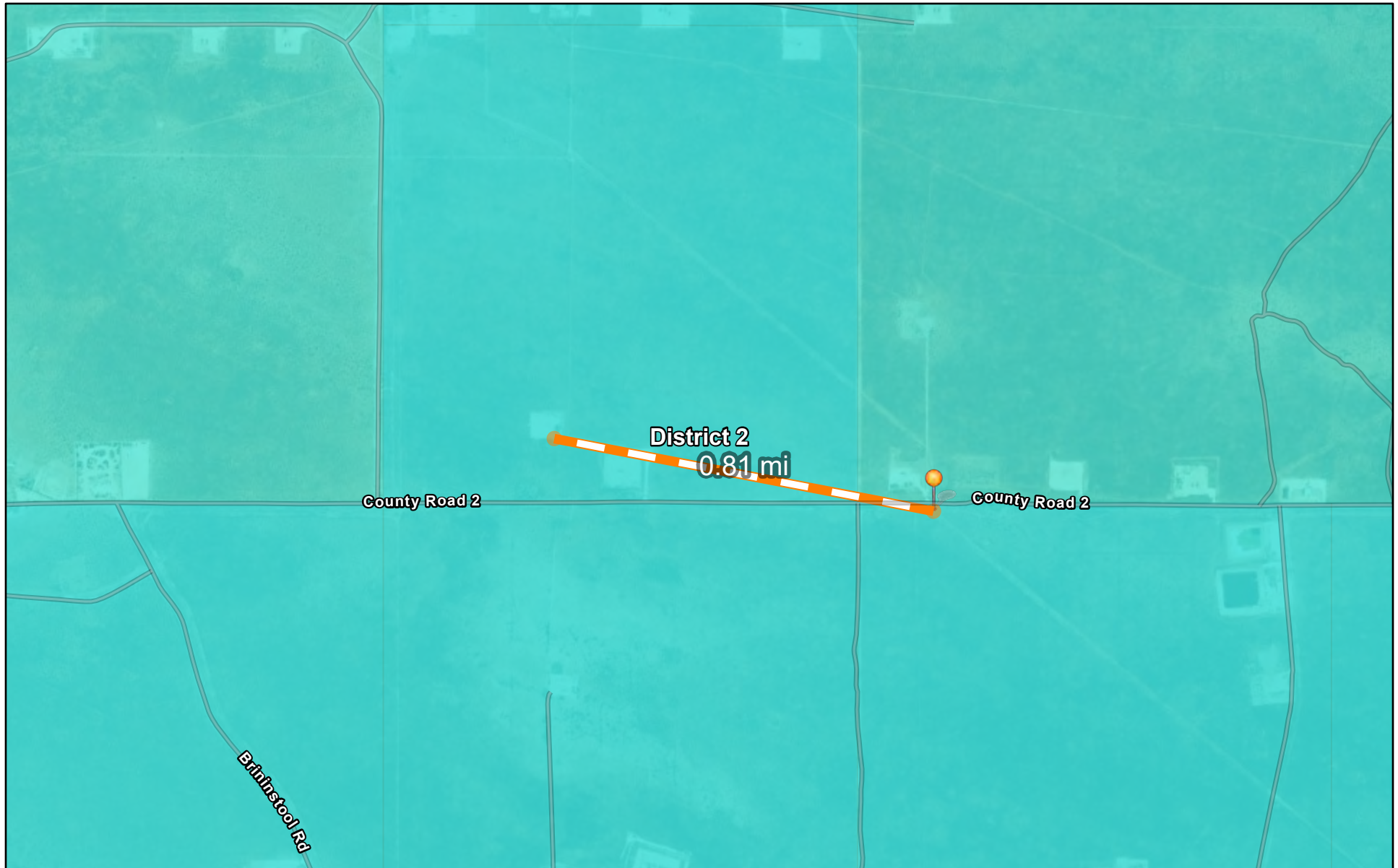


Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

## **APPENDIX B – Closure Criteria**

Closure Criteria Determination			
Site Name: Green Clean Line Leak			
Spill Coordinates: 32.26813754,-103.54896105		X: UTM easting	Y: UTM northing
Site Specific Conditions		Value	Unit
1	Depth to Groundwater (nearest reference)	>55	feet
	Distance between release and nearest DTGW reference	4,302	feet
		0.81	miles
Date of nearest DTGW reference measurement		December 16, 2024	
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	8,646	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	13,671	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	38,706	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or	4,419	feet
	ii) Within 1000 feet of any fresh water well or spring	199,627	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	feet
7	Within 300 feet of a wetland	7,162	feet
8	Within the area overlying a subsurface mine	No	feet
	Distance between release and nearest registered mine	8,058	feet
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
	Distance between release and nearest unstable area	68,793	feet
10	Within a 100-year Floodplain	Unknown	year
	Distance between release and nearest FEMA Zone A (100-year Floodplain)	115,144	feet
11	Soil Type	Be, Berino-Cacique	
12	Ecological Classification	R070BD003NM, Loamy Sand	
	<b>NMAC 19.15.29.12 E (Table 1) Closure Criteria</b>	<50'	<50' 51-100' >100'

# 01. DTGW 0.81 from Green Clean Line Leak

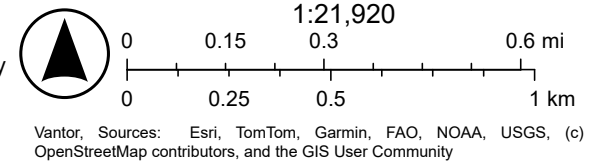


1/23/2026, 12:06:06 PM

- Water Right Regulations  OSE District Boundary
- Closure Area  New Mexico State Trust Lands
- Artesian Plan Area  Both Estates

- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery

- High Resolution 30cm Imagery
- Citations
- 4.8m Resolution Metadata





# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4895-POD1		WELL TAG ID NO.		OSE FILE NO(S) C-4895-POD1	
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS 5315 Buena Vista DR				CITY Carlsbad	STATE NM
					ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 16	SECONDS 13.2564	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND
	LONGITUDE	-103	33	45.453	W	* DATUM REQUIRED: WGS 84
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						

2. DRILLING & CASING INFORMATION	LICENSE NO. 1833	NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources			
	DRILLING STARTED 12-16-24	DRILLING ENDED 12-16-24	DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 0'	DATE STATIC MEASURED 12-16-24		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES - SPECIFY:			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	45	6"	PVC 2" SCH40	Thread	2"	SCH40	N/A
	45	55	6"	PVC 2" SCH40	Thread	2"	SCH40	.02

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				None pulled and plugged		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO.	C-4895	POD NO.	1	TRN NO.	769743
LOCATION	238-33E-27 143		WELL TAG ID NO.	NA	PAGE 1 OF 2



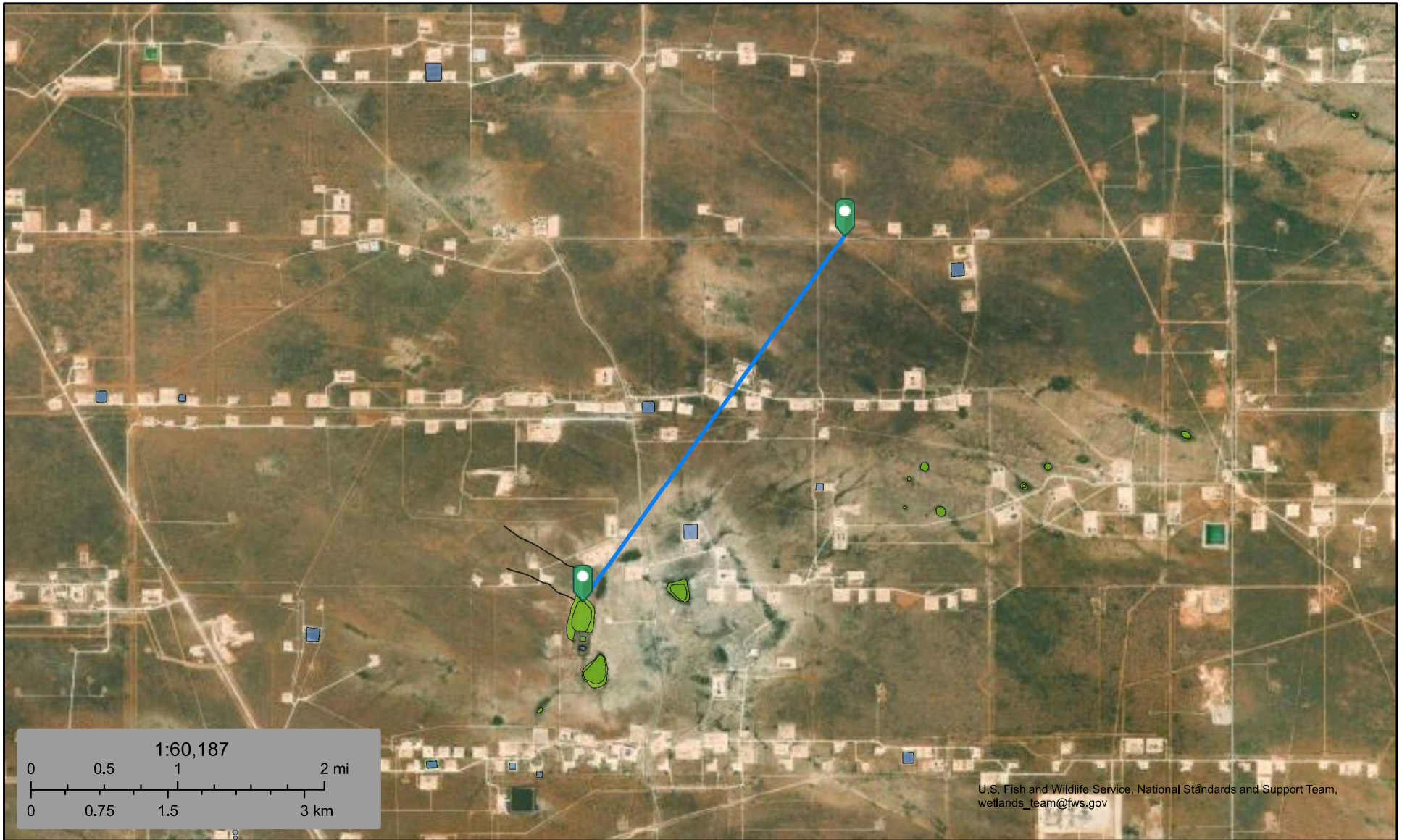


January 23, 2026

**Wetlands**

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

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



January 23, 2026

**Wetlands**


- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

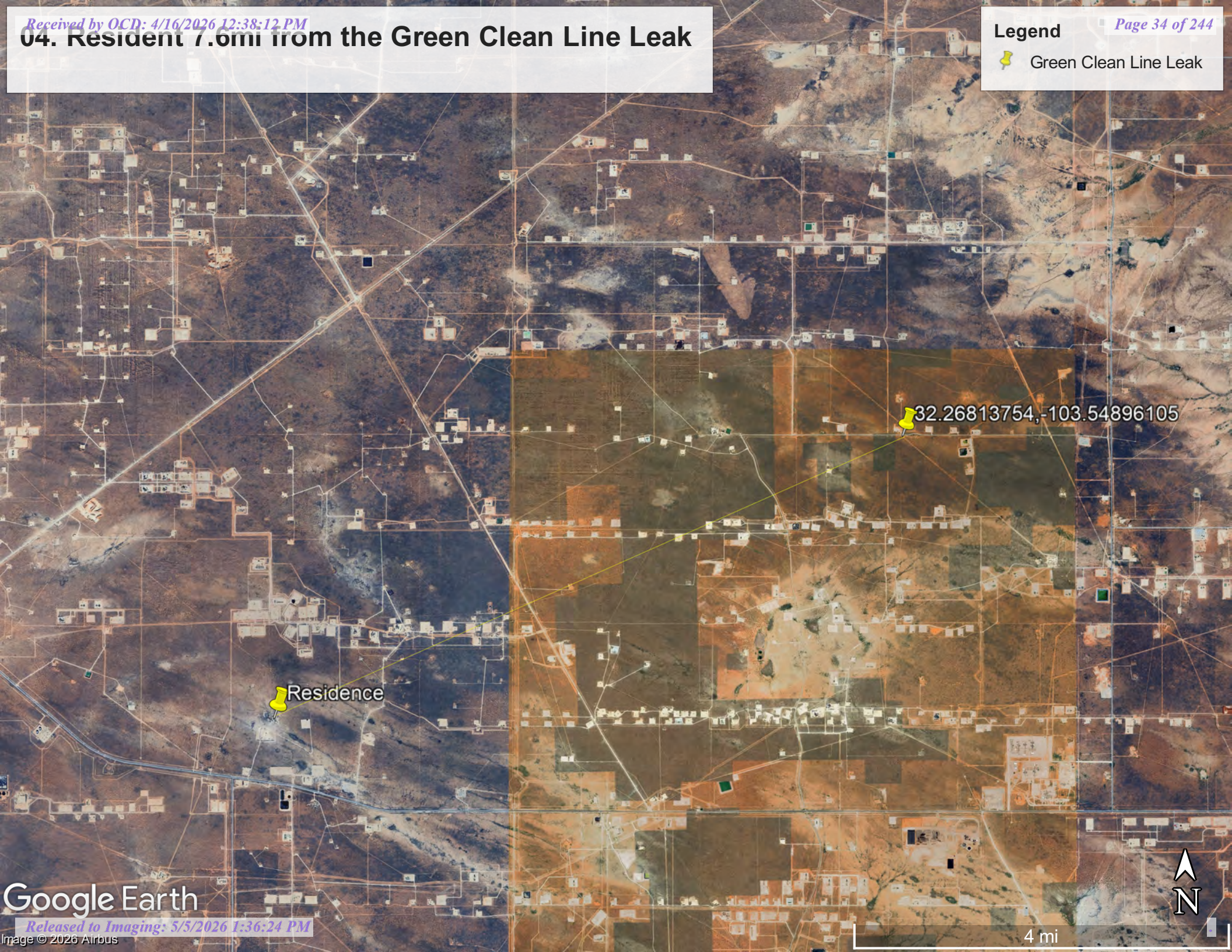
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

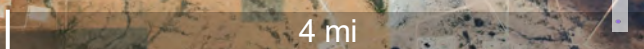
# 04. Resident 7.6mi from the Green Clean Line Leak

-  Green Clean Line Leak




32.26813754, -103.54896105

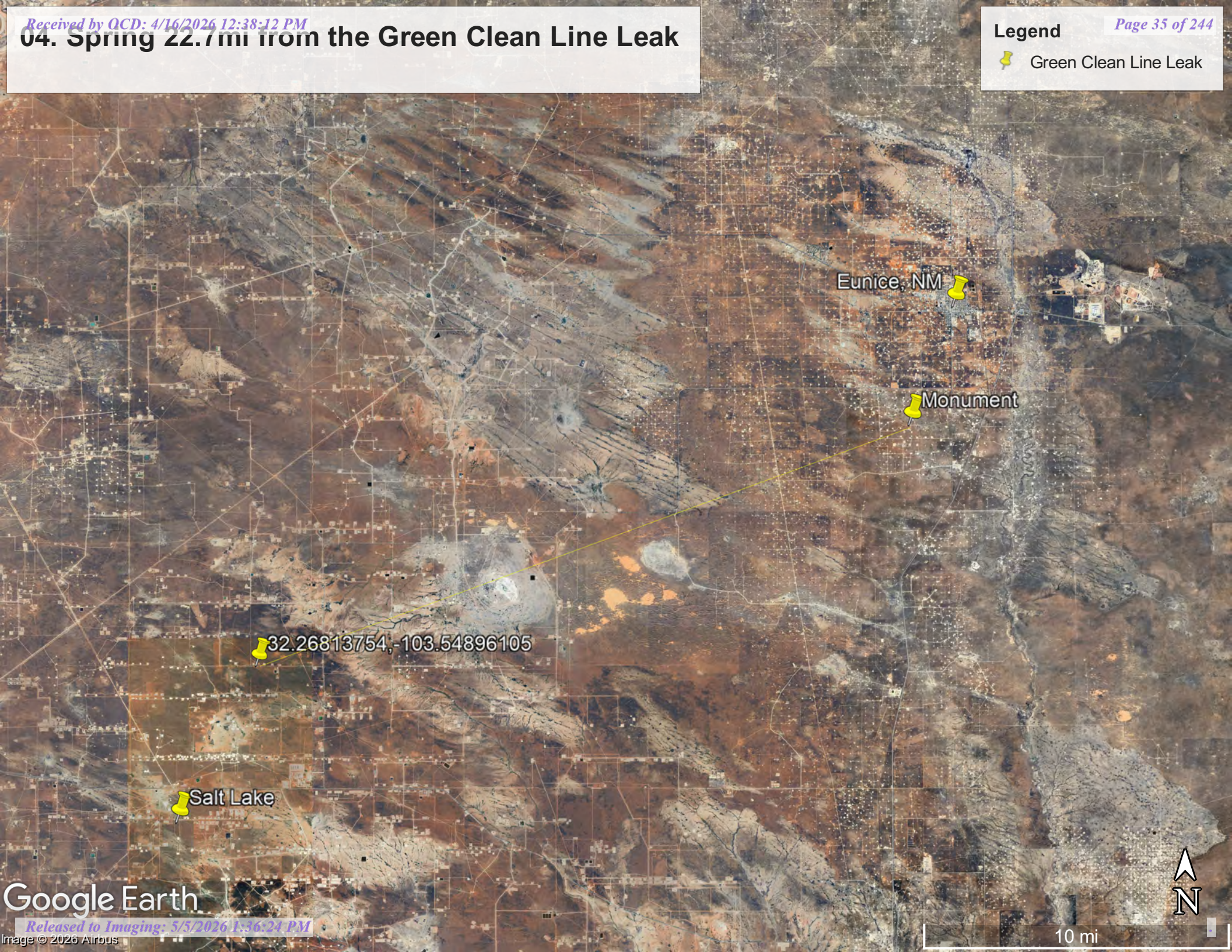
Residence



# 04. Spring 22.7 mi from the Green Clean Line Leak


**Legend**

-  Green Clean Line Leak




Eunice, NM 

 Monument

 32.26813754, -103.54896105

 Salt Lake

10 mi



# 04.1. Livestock Well 0.81mi from Green Clean Line Leak



1/23/2026, 12:44:36 PM

- Water Right Regulations  OSE District Boundary
- Closure Area  New Mexico State Trust Lands
- Artesian Plan Area  Both Estates

- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery


- High Resolution 30cm Imagery
- Citations
- 4.8m Resolution Metadata


1:20,617


A north arrow is shown in a circle. Below it is a scale bar with markings for 0, 0.15, 0.3, 0.45, and 0.6 miles, and 0, 0.23, 0.45, and 0.9 kilometers.

Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

# 06. Jal 21.1mi from the Green Clean Line Leak

-  Green Clean Line Leak

 32.26813754, -103.54896105

 Jal, NM







**U.S. Fish and Wildlife Service**  
**National Wetlands Inventory**




# 07. Wetland 1.36mi from Green Clean Line





January 23, 2026

**Wetlands**

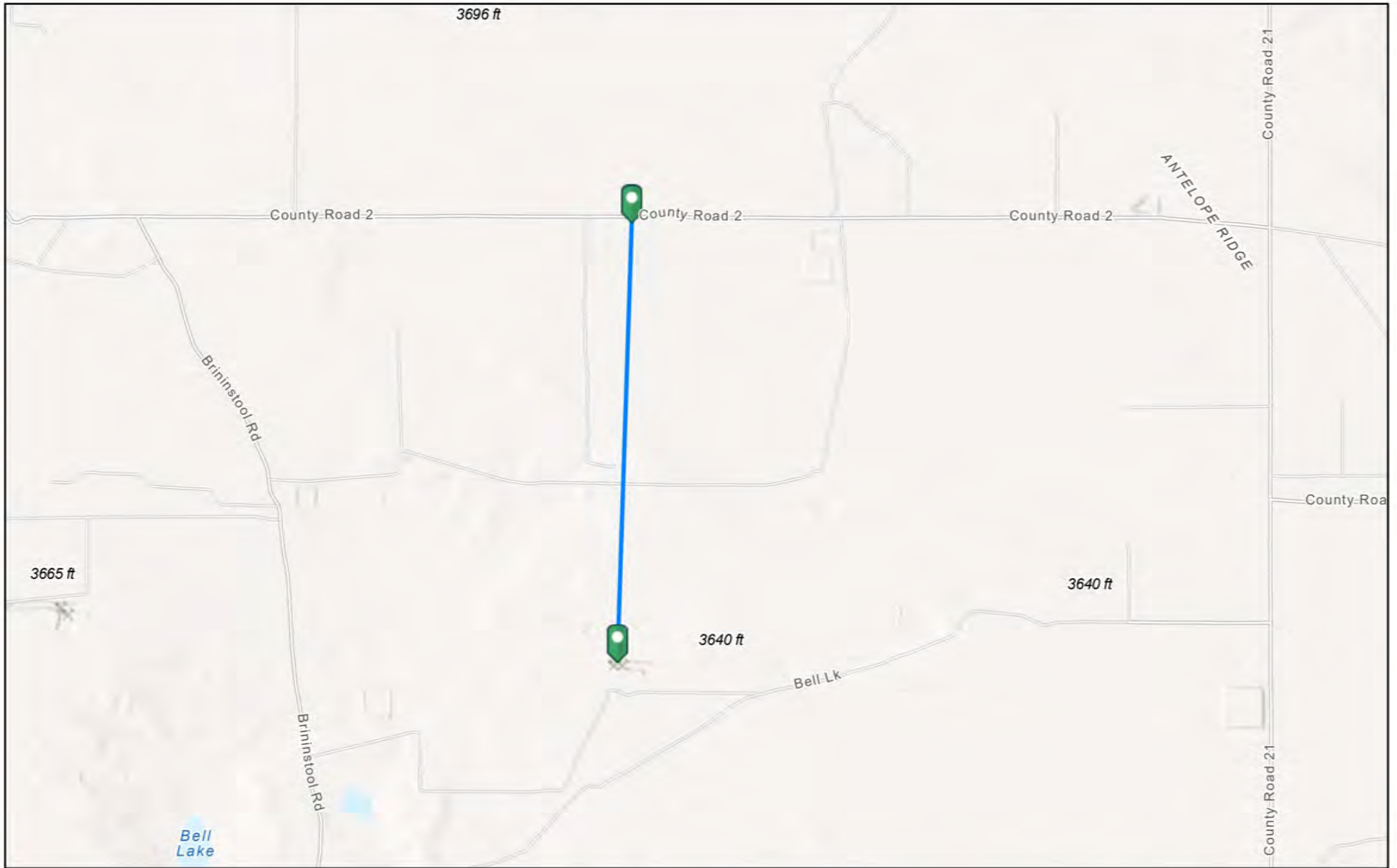
-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond

-  Lake
-  Other
-  Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

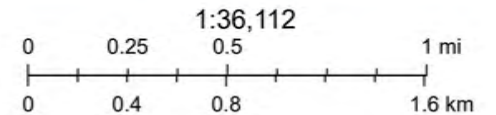
# 09. Mine 1.6mi from Green Clean Line Leak



1/23/2026, 1:21:26 PM

Registered Mines

✕ Aggregate, Stone etc.

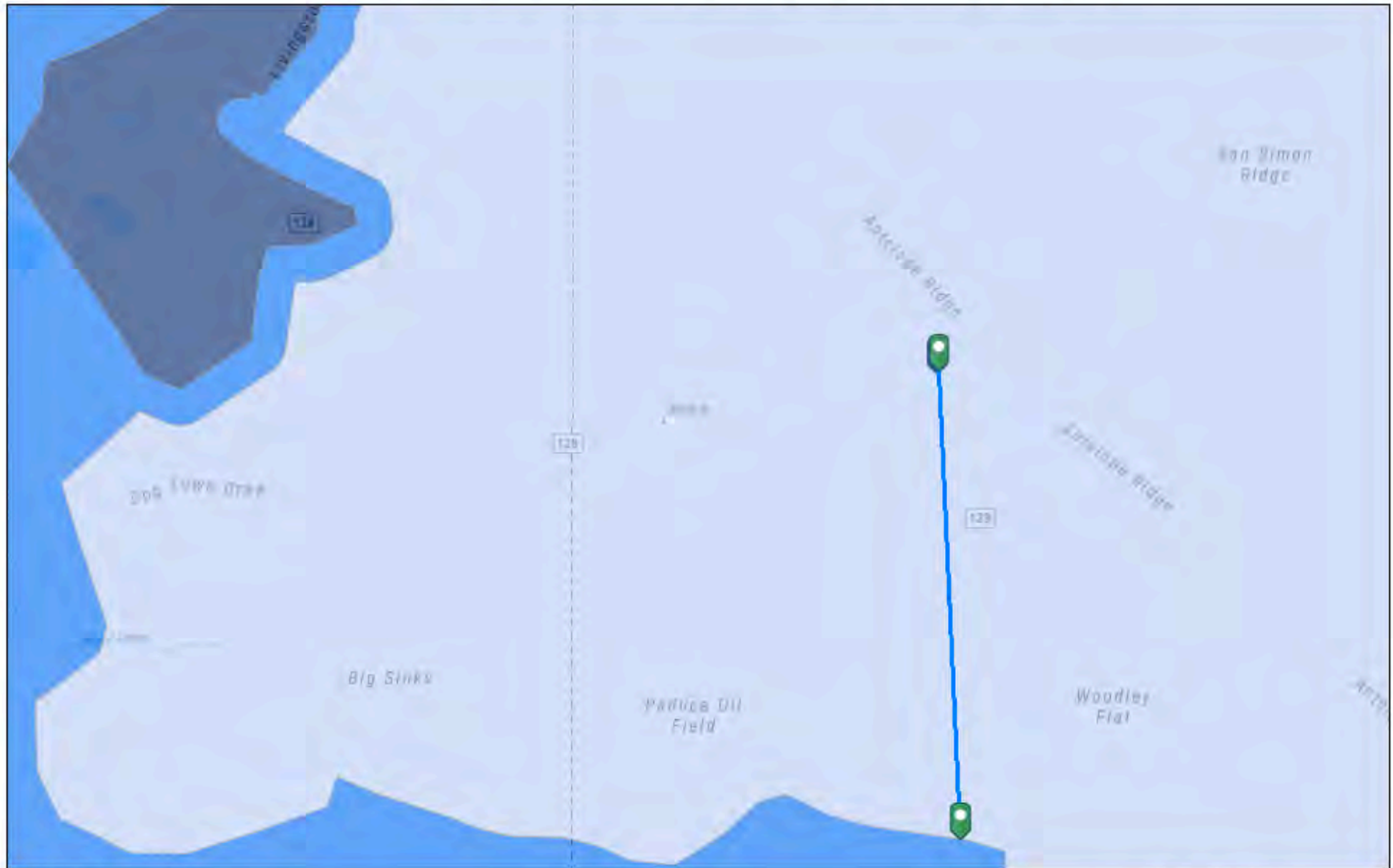


Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

EMNRD MMD GIS Coordinator




NM Energy, Minerals and Natural Resources Department (<http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795>)

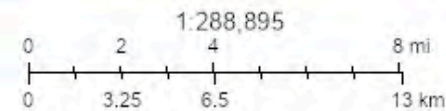
### 09. Medium Karst 12.9mi from Green Clean Line Leak



1/23/2026, 12:28:51 PM

Karst Occurrence Potential

	High		Medium
	Low		




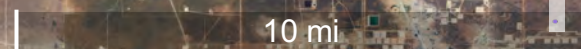
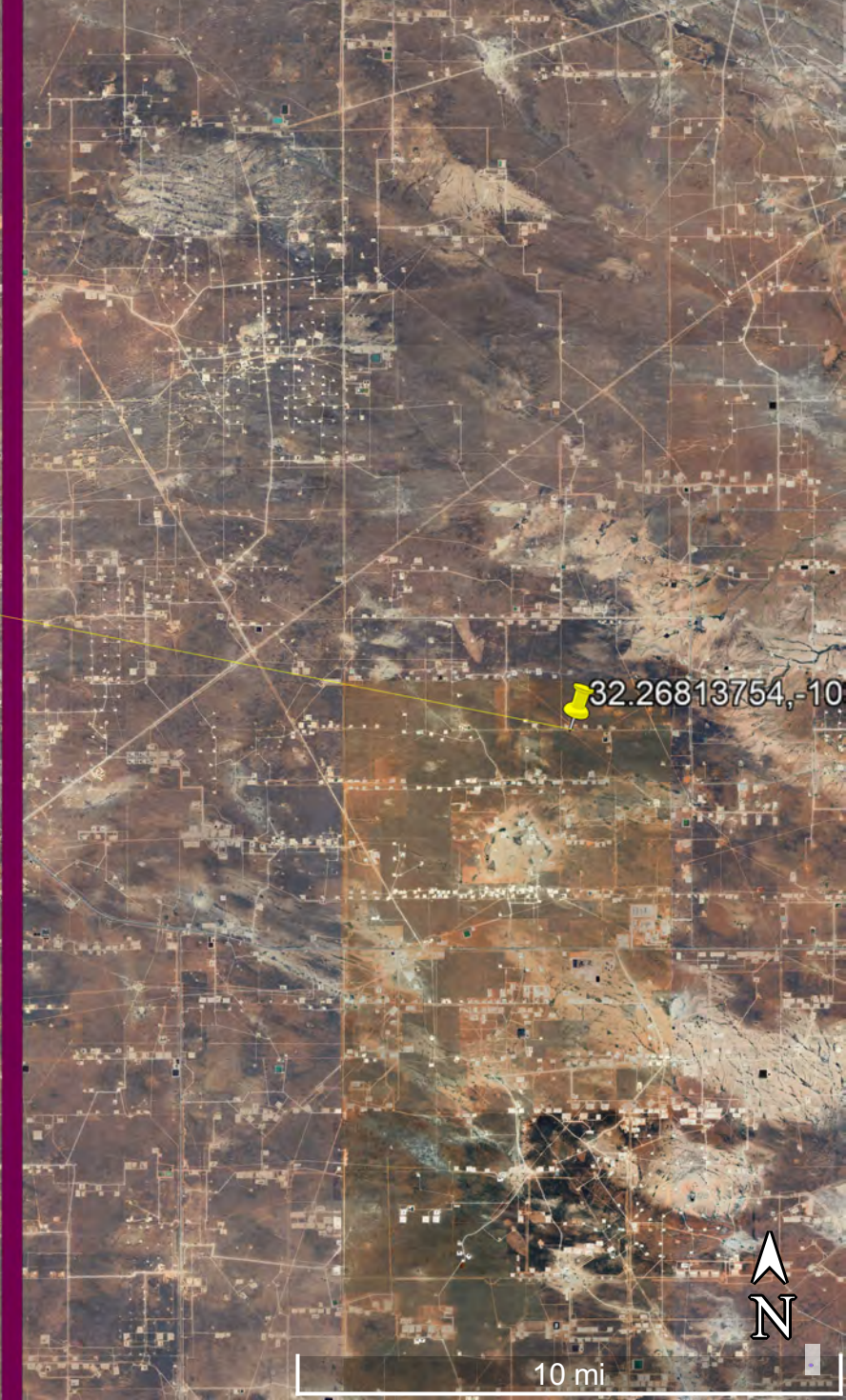
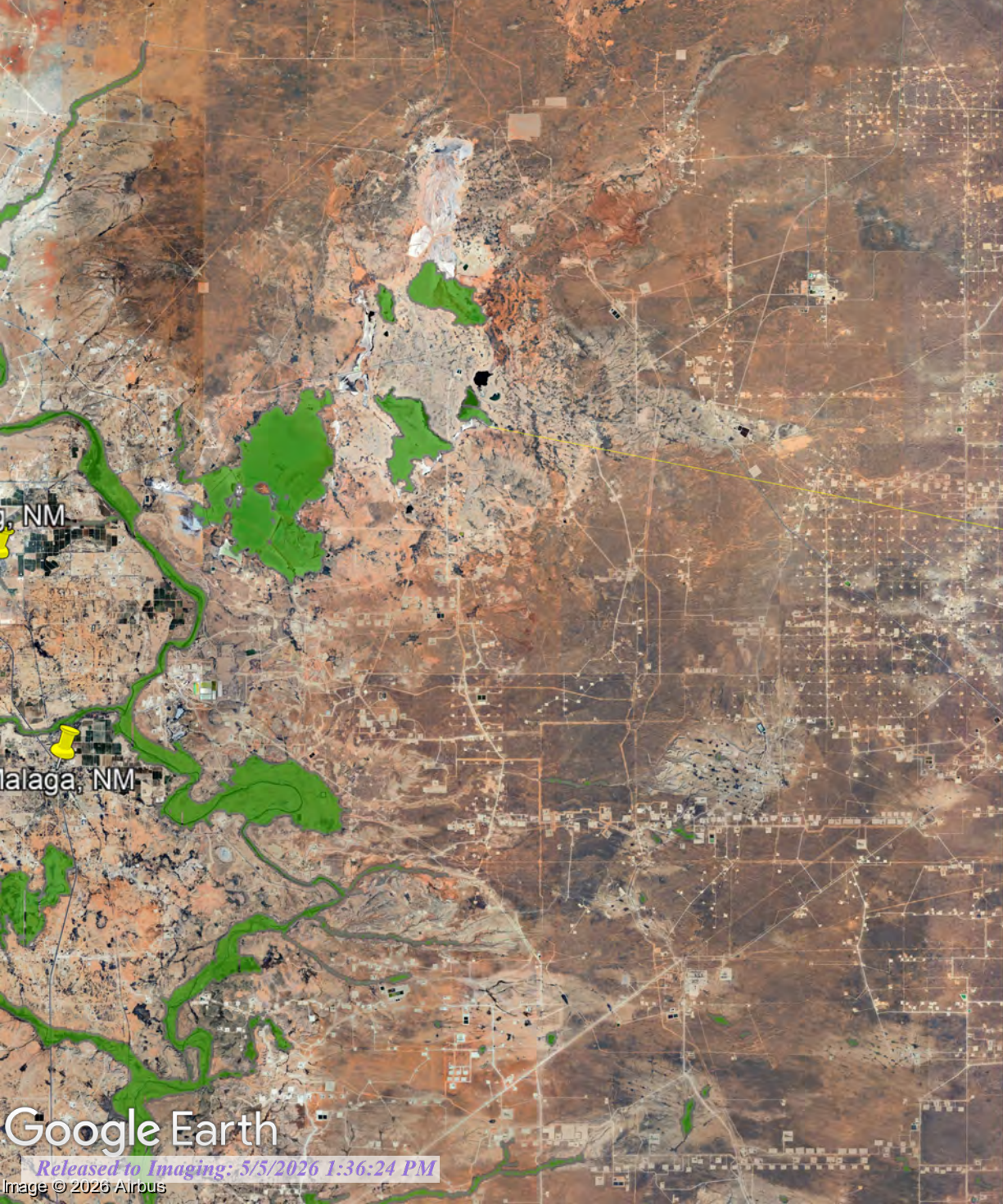
BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map, <http://nm-emrhd.maps.arcgis.com/apps/webappviewer/index.html?id=4d01712306164de29fd2b9f8f35ca75>; New Mexico Oil Conservation Division

# 10. FEMA A 22.6mi from the Green Clean Line Leak

 Green Clean Line Leak





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



# Preface

---

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

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

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist ([http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2\\_053951](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951)).

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

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

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

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

# Contents

---

**Preface**..... 2

**How Soil Surveys Are Made**..... 5

**Soil Map**..... 8

    Soil Map..... 9

    Legend..... 10

    Map Unit Legend..... 11

    Map Unit Descriptions..... 11

        Lea County, New Mexico..... 13

            BE—Berino-Cacique loamy fine sands association..... 13

**Soil Information for All Uses**..... 15

    Ecological Sites..... 15

        All Ecological Sites — ..... 15

            Map—Dominant Ecological Site..... 16

            Legend—Dominant Ecological Site..... 17

            Table—Ecological Sites by Map Unit Component..... 18

**References**..... 19

## How Soil Surveys Are Made

---

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

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

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

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

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

## Custom Soil Resource Report

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

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

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

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

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

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

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

Custom Soil Resource Report

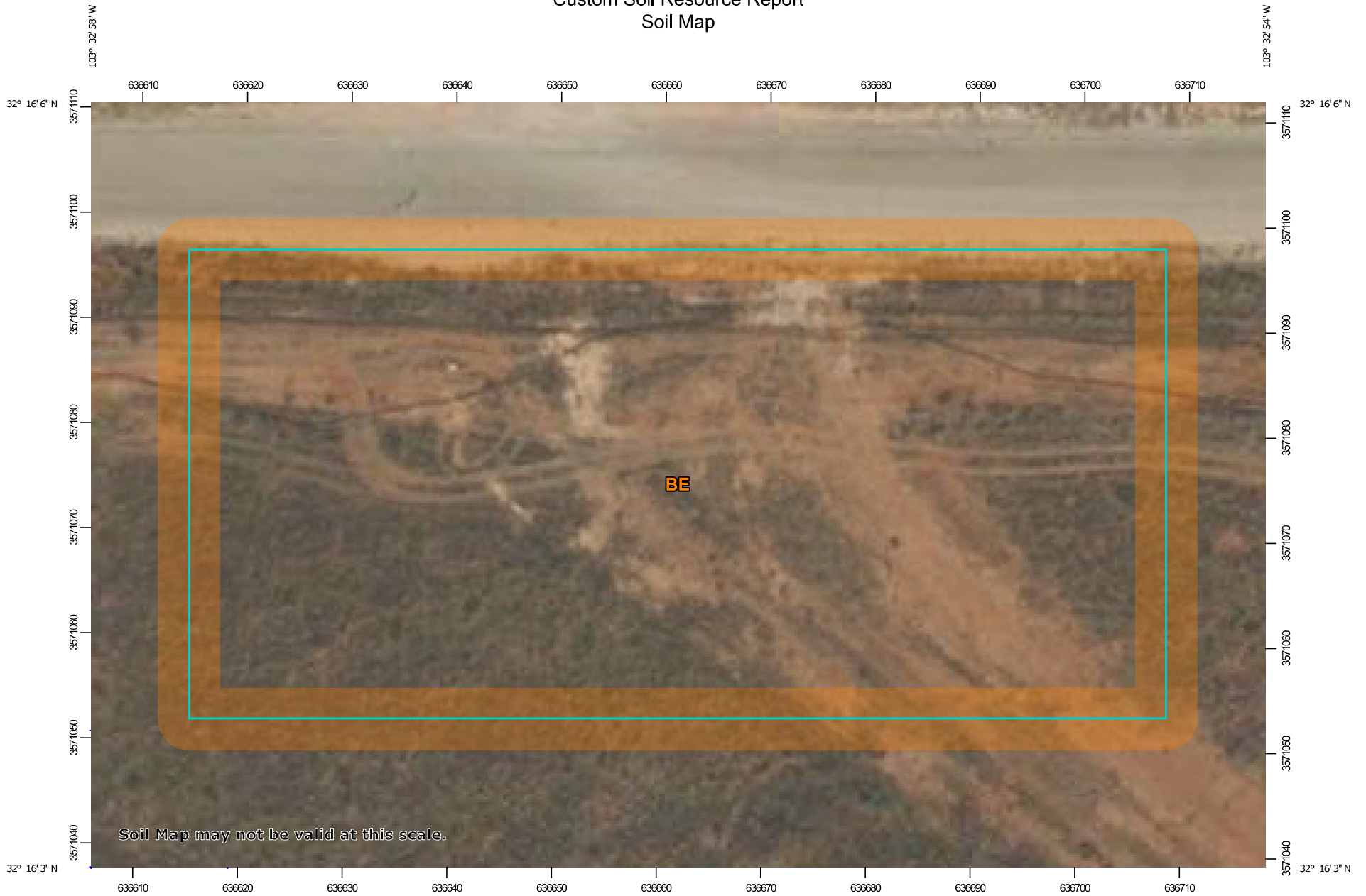
identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

## Soil Map

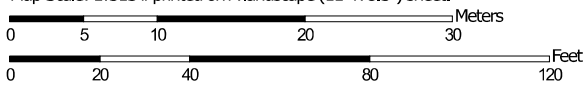
---

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

# Custom Soil Resource Report Soil Map




Map Scale: 1:513 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

### 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 22, Sep 9, 2025

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

Date(s) aerial images were photographed: 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.

## Custom Soil Resource Report

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BE	Berino-Cacique loamy fine sands association	1.0	100.0%
<b>Totals for Area of Interest</b>		<b>1.0</b>	<b>100.0%</b>

## 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.

## Custom Soil Resource Report

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.

## Custom Soil Resource Report

**Lea County, New Mexico****BE—Berino-Cacique loamy fine sands association****Map Unit Setting**

*National map unit symbol:* dmpd  
*Elevation:* 3,000 to 3,900 feet  
*Mean annual precipitation:* 10 to 13 inches  
*Mean annual air temperature:* 60 to 62 degrees F  
*Frost-free period:* 190 to 205 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Berino and similar soils:* 50 percent  
*Cacique and similar soils:* 40 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Berino****Setting**

*Landform:* Plains  
*Landform position (three-dimensional):* Rise  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock

**Typical profile**

*A - 0 to 6 inches:* loamy fine sand  
*Btk - 6 to 60 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.60 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 40 percent  
*Gypsum, maximum content:* 1 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 2.0  
*Available water supply, 0 to 60 inches:* Moderate (about 8.7 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7c  
*Hydrologic Soil Group:* B  
*Ecological site:* R070BD003NM - Loamy Sand  
*Hydric soil rating:* No

## Custom Soil Resource Report

**Description of Cacique****Setting**

*Landform:* Plains  
*Landform position (three-dimensional):* Rise  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Calcareous eolian deposits derived from sedimentary rock

**Typical profile**

*A - 0 to 12 inches:* loamy fine sand  
*Bt - 12 to 28 inches:* sandy clay loam  
*Bkm - 28 to 38 inches:* cemented material

**Properties and qualities**

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* 20 to 40 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:* 5 percent  
*Gypsum, maximum content:* 1 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 2.0  
*Available water supply, 0 to 60 inches:* Low (about 3.6 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7c  
*Hydrologic Soil Group:* C  
*Ecological site:* R070BD004NM - Sandy  
*Hydric soil rating:* No

**Minor Components****Maljamar**

*Percent of map unit:* 6 percent  
*Ecological site:* R077CY028TX - Limy Upland 16-21" PZ  
*Hydric soil rating:* No

**Palomas**

*Percent of map unit:* 4 percent  
*Ecological site:* R070BD003NM - Loamy Sand  
*Hydric soil rating:* No

# Soil Information for All Uses

---

## Ecological Sites

Individual soil map unit components can be correlated to a particular ecological site. The Ecological Site Assessment section includes ecological site descriptions, plant growth curves, state and transition models, and selected National Plants database information.

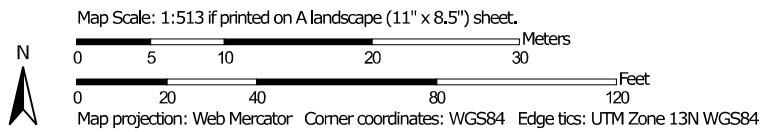
## All Ecological Sites —

An "ecological site" is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time; a characteristic hydrology, particularly infiltration and runoff, that has developed over time; and a characteristic plant community (kind and amount of vegetation). The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. For example, the hydrology of the site is influenced by development of the soil and plant community. The plant community on an ecological site is typified by an association of species that differs from that of other ecological sites in the kind and/or proportion of species or in total production.

An ecological site name provides a general description of a particular ecological site. For example, "Loamy Upland" is the name of a rangeland ecological site. An "ecological site ID" is the symbol assigned to a particular ecological site.


The map identifies the dominant ecological site for each map unit, aggregated by dominant condition. Other ecological sites may occur within each map unit. Each map unit typically consists of one or more components (soils and/or miscellaneous areas). Each soil component is associated with an ecological site. Miscellaneous areas, such as rock outcrop, sand dunes, and badlands, have little or no soil material and support little or no vegetation and therefore are not linked to an ecological site. The table below the map lists all of the ecological sites for each map unit component in your area of interest.

# Custom Soil Resource Report Map—Dominant Ecological Site





### MAP LEGEND

**Area of Interest (AOI)**



 Area of Interest (AOI)

**Soils**



**Soil Rating Polygons**

 R070BD003NM  
 Not rated or not available

**Soil Rating Lines**

 R070BD003NM  
 Not rated or not available




**Soil Rating Points**

 R070BD003NM  
 Not rated or not available


**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 22, Sep 9, 2025

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

Date(s) aerial images were photographed: 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.

Custom Soil Resource Report

**Table—Ecological Sites by Map Unit Component**

Map unit symbol	Map unit name	Component name (percent)	Ecological site	Acres in AOI	Percent of AOI
BE	Berino-Cacique loamy fine sands association	Berino (50%)	R070BD003NM — Loamy Sand	1.0	100.0%
		Cacique (40%)	R070BD004NM — Sandy		
		Maljamar (6%)	R077CY028TX — Limy Upland 16-21" PZ		
		Palomas (4%)	R070BD003NM — Loamy Sand		
<b>Totals for Area of Interest</b>				<b>1.0</b>	<b>100.0%</b>

## References

---

- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_054262](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262)
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053577](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577)
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053580](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580)
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2\\_053374](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374)
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2\\_054242](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242)

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053624](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624)

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. [http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/nrcs142p2\\_052290.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf)



## Ecological site R070BD003NM Loamy Sand

Accessed: 01/23/2026

### General information

**Provisional.** A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

#### Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

### Associated sites

R070BD004NM	<b>Sandy</b> Sandy
R070BD005NM	<b>Deep Sand</b> Deep Sand

**Table 1. Dominant plant species**

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

### Physiographic features

This site is on uplands, plains, dunes, fan piedmonts and in inter dunal areas. The parent material consists of mixed alluvium and or eolian sands derived from sedimentary rock. Slope range on this site range from 0 to 9 percent with the average of 5 percent.

Low stabilized dunes may occur occasionally on this site. Elevations range from 2,800 to

**Table 2. Representative physiographic features**

Landforms	(1) Fan piedmont (2) Alluvial fan (3) Dune
Elevation	2,800–5,000 ft
Slope	0–9%
Aspect	Aspect is not a significant factor

## Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity-short duration thunderstorms.

Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.

The average frost-free season is 207 to 220 days. The last killing frost being late March or early April and the first killing frost being in later October or early November.

Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Strong winds blow from the southwest from January through June, which accelerates soil drying during a critical period for cool season plant growth.

Climate data was obtained from <http://www.wrcc.sage.dri.edu/summary/climsmnm.html> web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

**Table 3. Representative climatic features**

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

## Influencing water features

This site is not influenced from water from wetlands or streams.

Soils are moderately deep or very deep. Surface textures are loamy fine sand, fine sandy loam, loamy very fine sand or gravelly sandy loam.

Subsurface is a loamy fine sand, coarse sandy loam, fine sandy loam or loam that averages less than 18 percent clay and less than 15 percent carbonates.

Substratum is a fine sandy loam or gravelly fine sandy loam with less than 15 percent gravel and with less than 40 percent calcium carbonate. Some layers high in lime or with caliche fragments may occur at depths of 20 to 30 inches.

These soils, if unprotected by plant cover and organic residue, become wind blown and low hummocks are formed.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic soils are:

Maljamar

Berino

Parjarito

Palomas

Wink

Pyote

**Table 4. Representative soil features**

Surface texture	(1) Fine sand (2) Fine sandy loam (3) Loamy fine sand
Family particle size	(1) Sandy
Drainage class	Well drained to somewhat excessively drained
Permeability class	Moderate to moderately rapid
Soil depth	40–72 in
Surface fragment cover ≤3"	0–10%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	5–7 in
Calcium carbonate equivalent (0-40in)	3–40%
Electrical conductivity (0-40in)	2–4 mmhos/cm

Sodium adsorption ratio (0-40in)	0–2
Soil reaction (1:1 water) (0-40in)	6.6–8.4
Subsurface fragment volume <=3" (Depth not specified)	4–12%
Subsurface fragment volume >3" (Depth not specified)	0%

## Ecological dynamics

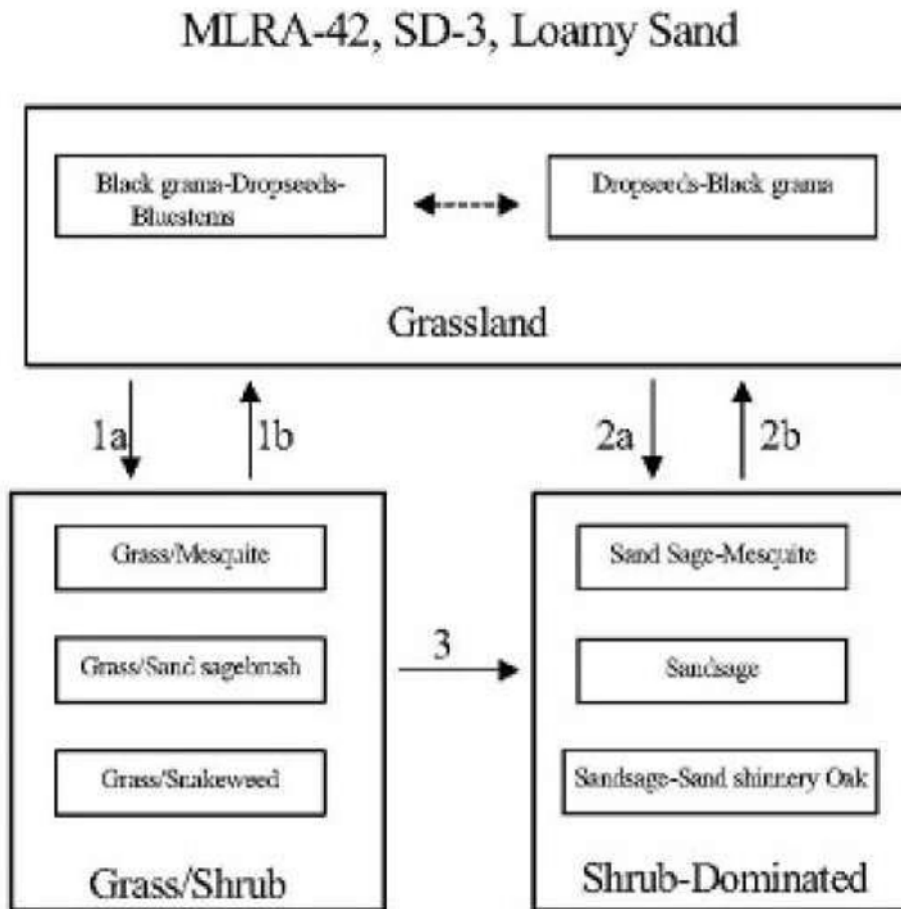
### Overview

The Loamy Sand site intergrades with the Deep Sand and Sandy sites (SD-3). These sites can be differentiated by surface soil texture and depth to a textural change. Loamy Sand and Deep Sand sites have coarse textured (sands and loamy sand) surface soils while Sandy sites have moderately coarse textured (sandy loam and fine sandy loam) surfaces. Although Loamy Sand and Deep Sand sites have similar surface textures, the depth to a textural change is different—Loamy Sand sub-surface textures typically increase in clay at approximately 20 to 30 inches, and Deep Sand sites not until around 40 inches.

The historic plant community of Loamy Sand sites is dominated by black grama (*Bouteloua eriopoda*), dropseeds (*Sporobolus flexuosus*, *S. contractus*, *S. cryptandrus*), and bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), with scattered shinnery oak (*Quercus havardii*) and sand sage (*Artemisia filifolia*). Perennial and annual forb abundance and distribution are dependent on precipitation. Litter and to a lesser extent, bare ground, are a significant proportion of ground cover while grasses compose the remainder. Decreases in black grama indicate a transition to either a grass/shrub or shrub-dominated state. The grass/shrub state is composed of grasses/honey mesquite (*Prosopis glandulosa*), grasses/broom snakeweed (*Gutierrezia sarothrae*), or grasses/sand sage. The shrub-dominated state occurs after a severe loss of grass cover and a prevalence of sand sage with secondary shinnery oak and mesquite. Heavy grazing intensity and/or drought are influential drivers in decreasing black grama and bluestems and subsequently increasing shrub cover, erosion, and bare patches. Historical fire suppression also encourages shrub pervasiveness and a competitive advantage over grass species (McPherson 1995). Brush and grazing management, however, may reverse grass/shrub and shrub-dominated states toward the grassland-dominated historic plant community.

## State and transition model

**Plant Communities and Transitional Pathways (diagram):**



- 1a. Drought, over grazing, fire suppression.
- 1b. Brush control, prescribed grazing
  
- 2.a Severe loss of grass cover, fire suppression, erosion.
- 2b. Brush control, seeding, prescribed grazing.
  
- 3. Continued loss of grass cover, erosion.

**State 1  
Historic Climax Plant Community**

**Community 1.1**

Grassland: The historic plant community is a uniformly distributed grassland dominated by black grama, dropseeds, and bluestems. Sand sage and shinnery oak are evenly dispersed throughout the grassland due to the coarse soil surface texture. Perennial and annual forbs are common but their abundance and distribution are reflective of precipitation. Bluestems initially, followed by black grama, decrease with drought and heavy grazing intensity. Historical fire frequency is unknown but likely occurred enough to remove small shrubs to the competitive advantage of grass species. Fire suppression, drought conditions, and excessive grazing drive most grass species out of competition with shrub species. Diagnosis: Grassland dominated by black grama, dropseeds, and bluestems. Shrubs, such as sand sage, shinnery oak, and mesquite are dispersed throughout the grassland. Forbs are present and populations fluctuate with precipitation variability.

**Table 5. Annual production by plant type**

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	442	833	1224
Forb	110	208	306
Shrub/Vine	98	184	270
<b>Total</b>	<b>650</b>	<b>1225</b>	<b>1800</b>

**Table 6. Ground cover**

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	28%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	50%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	22%

**Figure 5. Plant community growth curve (percent production by month).**

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	3	5	10	10	25	30	12	5	0	0

**State 2**  
**Grass/Shrub**

**Community 2.1**  
**Grass/Shrub**

Grass/Shrub



- \* Black grass/mesquite community, with some dropseeds, threeawns, and scattered sand shinnery oak
- \* Grass cover low to moderate

Grass/Shrub State: The grass/shrub state is dominated by communities of grasses/mesquite, grasses/snakeweed, or grasses/sand sage. Decreases in black grama and bluestem species lead to an increase in bare patches and mesquite which further competes with grass species. An increase of dropseeds and threeawns occurs. Grass distribution becomes more patchy with an absence or severe decrease in black grama and bluestems. Mesquite provides nitrogen and soil organic matter to co-dominant

to fire is low due to aggressive resprouting abilities. Herbicide application combined with subsequent prescribed fire may be more effective in mesquite reduction (Britton and Wright 1971). Diagnosis: This state is dominated by an increased abundance of communities including grass/mesquite, grass/snakeweed, or grass/sand sage. Dropseeds and threeawns have a patchy distribution. Transition to Grass/Shrub State (1a): The historic plant community begins to shift toward the grass/shrub state as drivers such as drought, fire suppression, interspecific competition, and excessive grazing contribute to alterations in soil properties and herbaceous cover. Cover loss and surface soil erosion are initial indicators of transition followed by a decrease in black grama with a subsequent increase of dropseeds, threeawns, mesquite, and snakeweed. Snakeweed has been documented to outcompete black grama especially under conditions of fire suppression and drought (McDaniel et al. 1984). Key indicators of approach to transition: • Loss of black grama cover • Surface soil erosion • Bare patch expansion • Increased dropseed/threeawn and mesquite, snakeweed, or sand sage abundances Transition to Historic Plant Community (1b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community.

## **State 3**

### **Shrub Dominated**

#### **Community 3.1**

##### **Shrub Dominated**

Shrub-Dominated State: The shrub-dominated state results from a severe loss of grass cover. This state's primary species is sand sage. Shinnery oak and mesquite also occur; however, grass cover is limited to intershrub distribution. Sand sage stabilizes light sandy soils from wind erosion, which enhances protected grass/forb cover (Davis and Bonham 1979). However, shinnery oak also responds to the sandy soils with dense stands due to an aggressive rhizome system. Shinnery oak's extensive root system promotes competitive exclusion of grasses and forbs. Sand sage, shinnery oak, and mesquite can be controlled with herbicide (Herbel et al. 1979, Pettit 1986). Transition to Shrub-Dominated (2a): Severe loss of grass species with increased erosion and fire suppression will result in a transition to a shrub-dominated state with sand sage, Shin oak, and honey mesquite directly from the grassland-dominated state. Key indicators of approach to transition: • Severe loss of grass species cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite abundance Transition to Historic Plant Community (2b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community. In addition, seeding with native grass species will augment the transition to a grassland-dominated state. Transition to Shrub-Dominated (3): If the grass/shrub site continues to lose grass cover with soil erosion, the site will transition to a shrub-dominated state with sand sage, shinnery oak, and honey mesquite. Key indicators of approach to transition: • Continual loss of dropseeds/threeawns cover • Surface soil erosion • Bare

and mesquite/snakeweed abundance

### Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
<b>Grass/Grasslike</b>					
1	<b>Warm Season</b>			61–123	
	little bluestem	SCSC	<i>Schizachyrium scoparium</i>	61–123	–
2	<b>Warm Season</b>			37–61	
	sand bluestem	ANHA	<i>Andropogon hallii</i>	37–61	–
3	<b>Warm Season</b>			37–61	
	cane bluestem	BOBA3	<i>Bothriochloa barbinodis</i>	37–61	–
	silver bluestem	BOSA	<i>Bothriochloa saccharoides</i>	37–61	–
4	<b>Warm Season</b>			123–184	
	black grama	BOER4	<i>Bouteloua eriopoda</i>	123–184	–
	bush muhly	MUPO2	<i>Muhlenbergia porteri</i>	123–184	–
5	<b>Warm Season</b>			123–184	
	thin paspalum	PASE5	<i>Paspalum setaceum</i>	123–184	–
	plains bristlegrass	SEVU2	<i>Setaria vulpiseta</i>	123–184	–
	fringed signalgrass	URCI	<i>Urochloa ciliatissima</i>	123–184	–
6	<b>Warm Season</b>			123–184	
	spike dropseed	SPCO4	<i>Sporobolus contractus</i>	123–184	–
	sand dropseed	SPCR	<i>Sporobolus cryptandrus</i>	123–184	–
	mesa dropseed	SPFL2	<i>Sporobolus flexuosus</i>	123–184	–
7	<b>Warm Season</b>			61–123	
	hooded windmill grass	CHCU2	<i>Chloris cucullata</i>	61–123	–
	Arizona cottontop	DICA8	<i>Digitaria californica</i>	61–123	–
9	<b>Other Perennial Grasses</b>			37–61	
	Grass, perennial	2GP	<i>Grass, perennial</i>	37–61	–
<b>Shrub/Vine</b>					
8	<b>Warm Season</b>			37–61	

			<i>neomexicana</i>		
	giant dropseed	SPGI	<i>Sporobolus giganteus</i>	37–61	–
10	<b>Shrub</b>			61–123	
	sand sagebrush	ARFI2	<i>Artemisia filifolia</i>	61–123	–
	Havard oak	QUHA3	<i>Quercus havardii</i>	61–123	–
11	<b>Shrub</b>			34–61	
	fourwing saltbush	ATCA2	<i>Atriplex canescens</i>	37–61	–
	featherplume	DAFO	<i>Dalea formosa</i>	37–61	–
12	<b>Shrub</b>			37–61	
	jointfir	EPHED	<i>Ephedra</i>	37–61	–
	littleleaf ratany	KRER	<i>Krameria erecta</i>	37–61	–
13	<b>Other Shrubs</b>			37–61	
	Shrub (>.5m)	2SHRUB	<i>Shrub (&gt;.5m)</i>	37–61	–
<b>Forb</b>					
14	<b>Forb</b>			61–123	
	leatherweed	CRPOP	<i>Croton pottsii var. pottsii</i>	61–123	–
	Indian blanket	GAPU	<i>Gaillardia pulchella</i>	61–123	–
	globemallow	SPHAE	<i>Sphaeralcea</i>	61–123	–
15	<b>Forb</b>			12–37	
	woolly groundsel	PACA15	<i>Packera cana</i>	12–37	–
16	<b>Forb</b>			61–123	
	touristplant	DIWI2	<i>Dimorphocarpa wislizeni</i>	61–123	–
	woolly plantain	PLPA2	<i>Plantago patagonica</i>	61–123	–
17	<b>Other Forbs</b>			37–61	
	Forb (herbaceous, not grass nor grass-like)	2FORB	<i>Forb (herbaceous, not grass nor grass-like)</i>	37–61	–

## Animal community

This Ecological Site provides habitat which supports a resident animal community that is characterized by pronghorn antelope, desert cottontail, spotted ground squirrel, black-tailed prairie dog, yellow faced pocket gopher, Ord's kangaroo rat, northern grasshopper mouse, southern plains woodrat, badger, roadrunner, meadowlark, burrowing owl, white necked raven, lesser prairie chicken, morning dove, scaled quail, Harris hawk, side

Where mesquite has invaded, most resident birds and scissor-tailed flycatcher, morning dove and Swainson's hawk, nest. Vesper and grasshopper sparrows utilize the site during migration.

## Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.

Hydrologic Interpretations

Soil Series Hydrologic Group

Berino B

Kinco A

Maljamar B

Pajarito B

Palomas B

Wink B

Pyote A

## Recreational uses

This site offers recreation potential for hiking, borseback riding, nature observation, photography and hunting. During years of abundant spring moisture, this site displays a colorful array of wildflowers during May and June.

## Wood products

This site has no potential for wood products.

## Other products

This site is suitable for grazing by all kinds and classes of livestock at any time of year. In cases where this site has been invaded by brush species it is especially suited for goats. Mismanagement of this site will cause a decrease in species such as the bluestems, black grama, bush muhly, plains bristlegrass, New Mexico feathergrass, Arizona cottontop and fourwing saltbush. A corresponding increase in the dropseeds, windmill grass, fall witchgrass, silver bluestem, sand sagebrush, shiner oak and ephedra will occur. This will also cause an increase in bare ground which will increase soil erodibility. This site will respond well to a system of management that rotates the season of use.

## Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month

Similarity Index Ac/AUM

100 - 76 2.3 - 3.5

50 – 26 4.6 – 9.0

25 – 0 9.1 +

## Inventory data references

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico. This site has been mapped and correlated with soils in the following soil surveys. Eddy County, Lea County, and Chaves County.

## Other references

### Literature Cited:

Ansley, R. J.; Jacoby, P. W. 1998. Manipulation of fire intensity to achieve mesquite management goals in north Texas. In: Pruden, Teresa L.; Brennan, Leonard A., eds. Fire in ecosystem management: shifting the paradigm from suppression to prescription: Proceedings, Tall Timbers fire ecology conference; 1996 May 7-10; Boise, ID. No. 20. Tallahassee, FL: Tall Timbers Research Station: 195-204.

Ansley, R. J.; Jones, D. L.; Tunnell, T. R.; [and others]. 1998. Honey mesquite canopy responses to single winter fires: relation to herbaceous fuel, weather and fire temperature. *International Journal of Wildland Fire* 8(4):241-252.

Britton, Carlton M.; Wright, Henry A. 1971. Correlation of weather and fuel variables to mesquite damage by fire. *Journal of Range Management* 24:136-141.

Davis, Joseph H., III and Bonham, Charles D. 1979. Interference of sand sagebrush canopy with needleandthread. *Journal of Range Management* 32(5):384-386.

Herbel, C. H, Steger, R, Gould, W. L. 1974. Managing semidesert ranges of the Southwest Circular 456. Las Cruces, NM: New Mexico State University, Cooperative Extension Service. 48 p.

McDaniel, Kirk C.; Pieper, Rex D.; Loomis, Lyn E.; Osman, Abdelgader A. 1984. Taxonomy and ecology of perennial snakeweeds in New Mexico. Bulletin 711. Las Cruces, NM: New Mexico State University, Agricultural Experiment Station. 34 p.

McPherson, Guy R. 1995. The role of fire in the desert grasslands. In: McClaran, Mitchel P.; Van Devender, Thomas R., eds. *The desert grassland*. Tucson, AZ: The University of Arizona Press: 130-151.

Pettit, Russell D. 1986. Sand shinnery oak: control and management. Management Note 8. Lubbock, TX: Texas Tech University, College of Agricultural Sciences, Department of

## Contributors

Don Sylvester  
Quinn Hodgson

## Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

Author(s)/participant(s)	
Contact for lead author	
Date	
Approved by	
Approval date	
Composition (Indicators 10 and 12) based on	Annual Production

## Indicators

**1. Number and extent of rills:**

---

**2. Presence of water flow patterns:**

---

**3. Number and height of erosional pedestals or terracettes:**

---

**4. Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):**

---

**5. Number of gullies and erosion associated with gullies:**

---

6. **Extent of wind scoured, blowouts and/or depositional areas:**

---

7. **Amount of litter movement (describe size and distance expected to travel):**

---

8. **Soil surface (top few mm) resistance to erosion (stability values are averages - most sites will show a range of values):**

---

9. **Soil surface structure and SOM content (include type of structure and A-horizon color and thickness):**

---

10. **Effect of community phase composition (relative proportion of different functional groups) and spatial distribution on infiltration and runoff:**

---

11. **Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site):**

---

12. **Functional/Structural Groups (list in order of descending dominance by above-ground annual-production or live foliar cover using symbols: >>, >, = to indicate much greater than, greater than, and equal to):**

Dominant:

Sub-dominant:

Other:

Additional:

---

---

14. **Average percent litter cover (%) and depth ( in):**

---

15. **Expected annual annual-production (this is TOTAL above-ground annual-production, not just forage annual-production):**

---

16. **Potential invasive (including noxious) species (native and non-native). List species which BOTH characterize degraded states and have the potential to become a dominant or co-dominant species on the ecological site if their future establishment and growth is not actively controlled by management interventions. Species that become dominant for only one to several years (e.g., short-term response to drought or wildfire) are not invasive plants. Note that unlike other indicators, we are describing what is NOT expected in the reference state for the ecological site:**

---

17. **Perennial plant reproductive capability:**

---

**APPENDIX C – C141**

**Total BBLs Produced Water Released = 132 bbls**

Vac truck recovered 16 bbls

111 bbls of standing fluids was unable to be recovered before it soaked into surrounding soils.

Spill Volume Estimate		
Volume Recovered (bbls)	Released	Recovered
16	132	16
Standing Fluids (bbls)		
111.2895		
Residual Fluids in Soil (bbls)		
4.322074		
Total Estimated Volume Released (bbls)		
131.6116		

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 546249

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 546249
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2602229583
Incident Name	NAPP2602229583 GREEN CLEAN LINE LEAK @ D-35-23S-33E 105N 471E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	Green Clean Line Leak
Date Release Discovered	01/19/2026
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pump   Produced Water   Released: 132 BBL   Recovered: 16 BBL   Lost: 116 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)	Pump on layflat line developed leak. Allowing fluids to be released to ROW. Major notification email sent to M.Bratcher, R. Romero on 1/19/2026

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, Page 2

Action 546249

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 546249
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

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

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/26/2026
--	--

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, Page 3

Action 546249

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 546249
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	<i>Not answered.</i>
What method was used to determine the depth to ground water	<i>Not answered.</i>
Did this release impact groundwater or surface water	<i>Not answered.</i>
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	<i>Not answered.</i>
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	<i>Not answered.</i>
An occupied permanent residence, school, hospital, institution, or church	<i>Not answered.</i>
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	<i>Not answered.</i>
Any other fresh water well or spring	<i>Not answered.</i>
Incorporated municipal boundaries or a defined municipal fresh water well field	<i>Not answered.</i>
A wetland	<i>Not answered.</i>
A subsurface mine	<i>Not answered.</i>
An (non-karst) unstable area	<i>Not answered.</i>
Categorize the risk of this well / site being in a karst geology	<i>Not answered.</i>
A 100-year floodplain	<i>Not answered.</i>
Did the release impact areas not on an exploration, development, production, or storage site	<i>Not answered.</i>

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 546249

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 546249
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**CONDITIONS**

Created By	Condition	Condition Date
scott.rodgers	None	1/26/2026

## **APPENDIX D – Biological Review**

Printable Reports		
Agency	Report	Result
US Fish & Wildlife	Information for Planning and Consultation (IPaC)	-----
	(Potentially) Endangered Species	2
	Bald & Golden Eagles	0
	Migratory Birds	0
	Facilities	0
	Wetlands	None
Vertex "Habitats" GIS Map		
Agency	Layer	Result
BLM		
	Special Status Plant and Wildlife Habitat	-----
	Potential Habitat (Planning Area Only)	None
	Dunes Sage Brush Lizard	None
	Lesser Prairie Chicken	None
	Lesser Prairie Chicken Timing Restriction	None
	Natl Designated Areas of Critical Environmental Concern	None
NM Game and Fish		
	NM Crucial Habitat Assessment Tool (NM CHAT)	-----
	Crucial Habitat	5
	Species of Concern	5
	Large Natural Areas	2
	Natural Vegetation	0/6
	Terrestrial SERI	3
	Aquatic SERI	6
	Fresh Water Integrity	5
	Weland and Riparian Areas	0/6
	NM State Wildlife Action Plan (SWAP) Macrogroups	Chihuahuan Semi-Desert Scrub
	NM Important Plant Areas	None
	Riparian Corridors	-----
	Upper Rio Grande	None
	Middle Rio Grande	None
	Canadian Upper Pecos	None
	Gila Region San Juan	None
	Lower Pecos Tularosa basin	None
	NM Riparian Corridor	None
US Fish & Wildlife		
	Critical Habitat for Threatened and Endangered Species	None
NM Natural Heritage		
	Federal Threatened and Endangered (Fed T&E)	None
	State Threatened and Endangered (State T&E)	None
NM State Forestry		
	Important Plant Area (IPA)	None



## 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:  
Project Code: 2026-0067393  
Project Name: Green Clean Line Leak

03/24/2026 22:31:59 UTC

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](http://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](http://nmrareplants.unm.edu)

Natural Heritage New Mexico, online species database: [nhnm.unm.edu](http://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](http://www.fws.gov/wetlands/Data/Mapper.html), integrates digital map data with other resource information. We also recommend you contact the U.S. Army Corps of Engineers for permitting requirements under section 404 of the Clean Water Act if your proposed action could impact floodplains or wetlands.

## MIGRATORY BIRDS

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

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

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

We suggest you contact the New Mexico Department of Game and Fish, and the New Mexico

Project code: 2026-0067393

03/24/2026 22:31:59 UTC

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](mailto:nmesfo@fws.gov), where it will be more promptly routed to the appropriate biologist for review.

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

Attachment(s):

- Official Species List

## OFFICIAL SPECIES LIST

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

This species list is provided by:

### **New Mexico Ecological Services Field Office**

2105 Osuna Road Ne

Albuquerque, NM 87113-1001

(505) 346-2525

Project code: 2026-0067393

03/24/2026 22:31:59 UTC

## PROJECT SUMMARY

Project Code: 2026-0067393  
Project Name: Green Clean Line Leak  
Project Type: Oil & Gas Well Maintenance  
Project Description: Oil and gas release remediation  
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.2676131,-103.54828857783947,14z>



Counties: Lea County, New Mexico

## ENDANGERED SPECIES ACT SPECIES

There is a total of 2 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<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

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

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

Project code: 2026-0067393

03/24/2026 22:31:59 UTC

## BIRDS

NAME	STATUS
<p>Northern Aplomado Falcon <i>Falco femoralis septentrionalis</i>                      Population: U.S.A (AZ, NM)                      No critical habitat has been designated for this species.                      Species profile: <a href="https://ecos.fws.gov/ecp/species/1923">https://ecos.fws.gov/ecp/species/1923</a>                      General project design guidelines:  <a href="https://ipac.ecosphere.fws.gov/project/AVMB5L47JFCVRKLF4O5UOTUR2U/documents/generated/8928.pdf">https://ipac.ecosphere.fws.gov/project/AVMB5L47JFCVRKLF4O5UOTUR2U/documents/generated/8928.pdf</a></p>	<p>Experimental                      Population,                      Non-                      Essential</p>

## INSECTS

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

## CRITICAL HABITATS

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

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

Project code: 2026-0067393

03/24/2026 22:31:59 UTC

## **IPAC USER CONTACT INFORMATION**

Agency: Private Entity  
Name: Stephanie McCarty  
Address: 3101 Boyd Dr  
City: Carlsbad  
State: NM  
Zip: 88220  
Email: stefy\_mccarty@yahoo.com  
Phone: 5757255001

## **APPENDIX E – Archeological Survey**



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

## NMSLO Cultural Resources Cover Sheet Exhibit

**NMCRIS Activity Number:**

(if applicable)

**Exhibit Type** (select one)

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

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

**Archaeological Survey**

**Findings:**

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

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

**Comments:**

**Project Details:**

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

**Project Location:**

County(ies):

PLSS/Section/Township/Range):

---

**For NMSLO Agency Use Only:**

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

---

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

Form Revised 12 22

## **APPENDIX F – Daily Field Reports**



Daily Field Log
Site: Green Clean Line Leak

01/22/2026

Location: Default Site Location

By: Katrina Taylor

Table with 4 columns: Field Name, Value, Field Name, Value. Includes Weather (Cloudy|Cool), Staff On-site (Katrina Taylor), Staff From Time (12:14), Tailgate meeting conducted (Yes), Contractor, Contractor Crew, Equipment On Site, Incident ID Number (nAPP2602229583).

Work Summary:

Identify the contaminated area. Photograph the contaminates area. Use flagging tape to mark out an 811 area.

Time Observations

- 12:33:58 Arrived on site. Completed safety paperwork. Observed the fenced area around the release.
13:31:23 The visible release area was walked and mapped to identify the extents of the release.
13:31:56 White flagging tape was used in 5 points to define the corners of the 811
13:44:45 811 ticket was placed over the phone on-site. Ticket number is 26JA220516.
15:15:19 Technician left the field at 2:00pm

Pictures/Attachments

Date: 1/22/2026
Time: 12:50
Notes: Eastern extent of the release
Latitude: 32.26806666666666
Longitude: -103.54881944444445
Direction: SE





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 1/22/2026  
 Time: 12:52  
 Notes: Eastern extent of the release  
 Latitude: 32.26815833333333  
 Longitude: -103.54901944444444  
 Direction: SE



Date: 1/22/2026  
 Time: 12:53  
 Notes: Presumed release point  
 Latitude: 32.268188888888886  
 Longitude: -103.54908055555555  
 Direction: S





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 1/22/2026  
Time: 12:54  
Notes: Western side of the release  
Latitude: 32.26818888888886  
Longitude: -103.54910277777778  
Direction: N



Date: 1/22/2026  
Time: 12:56  
Notes: Northwest part of release area  
Latitude: 32.26806666666666  
Longitude: -103.54922499999999  
Direction: S





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 1/22/2026  
 Time: 12:58  
 Notes: Northern extent of the release are appears to be less saturated  
 Latitude: 32.26800555555554  
 Longitude: -103.54896388888889  
 Direction: N



Date: 1/22/2026  
 Time: 13:01  
 Notes: Central area of the release does not appear to have staining. It is notably at a slightly higher elevation  
 Latitude: 32.268036111111111  
 Longitude: -103.54898055555556  
 Direction: E





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 1/22/2026  
Time: 13:13  
Notes: Southwest 811 point  
Latitude: 32.26730277777778  
Longitude: -103.54796666666667  
Direction: N



Date: 1/22/2026  
Time: 13:15  
Notes: Southeast 811 point  
Latitude: 32.267424999999996  
Longitude: -103.54782222222222  
Direction: E





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 1/22/2026  
Time: 13:24  
Notes: Central 811 point  
Latitude: 32.268188888888886  
Longitude: -103.54873611111111  
Direction: W



Date: 1/22/2026  
Time: 13:27  
Notes: Eastern 811 point  
Latitude: 32.26825  
Longitude: -103.54849166666666  
Direction: NE





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 1/22/2026  
Time: 13:30  
Notes: Northern 811 point  
Latitude: 32.26825  
Longitude: -103.54973611111112  
Direction: NW





### Daily Field Log

Site: Green Clean Line Leak -1  
Client: Devon Energy Production Company, LP

02/15/2026

Location: Default Site Location

By: John Rewis

Weather	Sunny	Contractor	_____
Staff On-site	John Rewis	Contractor Crew	_____
Staff From Time	_____	Equipment On Site	_____
Tailgate meeting conducted	Yes	Incident ID Number	_____

### Work Summary:

Delineation

Time	Observations
------	--------------

18:55:09	Collected samples BS26-02 through BS26-07 at various depth intervals. All samples were field screened for chlorides and a select number of sample were screened for TPH.
18:56:29	In total, 19 samples were jarred in preparation to be sent to the lab for further analysis.
18:57:12	All sample point borehole were filled back in prior to departing the site.
18:57:43	Established new southern one call corners. A new one call ticket was submitted to NM811.

Inspector: John Rewis

### Pictures/Attachments

Date: 2/15/2026  
 Time: 19:00  
 Notes:  
 Latitude: 32.268225  
 Longitude: -103.54898055555556  
 Direction: N





### Daily Field Log

Site: Green Clean Line Leak -1  
Client: Devon Energy Production Company, LP

#### Pictures/Attachments

Date: 2/15/2026  
 Time: 19:00  
 Notes:  
 Latitude: 32.26797222222222  
 Longitude: -103.54883333333333  
 Direction: N



Date: 2/15/2026  
 Time: 19:01  
 Notes:  
 Latitude: 32.267986111111114  
 Longitude: -103.54886111111111  
 Direction: N





### Daily Field Log

Site: Green Clean Line Leak -1  
Client: Devon Energy Production Company, LP

#### Pictures/Attachments

Date: 2/15/2026  
 Time: 19:05  
 Notes: Magnetic line locator was used in areas of planned ground disturbance.  
 Latitude: 32.26794722222222  
 Longitude: -103.54878611111111  
 Direction: E



Date: 2/15/2026  
 Time: 19:05  
 Notes: BH26-02 at 8ft bgs. Sample point hit refusal 8.5ft bgs.  
 Latitude: 32.26809444444444  
 Longitude: -103.54915  
 Direction: E





### Daily Field Log

Site: Green Clean Line Leak -1  
Client: Devon Energy Production Company, LP

#### Pictures/Attachments

Date: 2/15/2026  
 Time: 19:05  
 Notes: BH26-04 at 2ft bgs.  
 Latitude: 32.26797222222222  
 Longitude: -103.54883333333333  
 Direction: E



Date: 2/15/2026  
 Time: 19:05  
 Notes: BH26-05 at 4ft bgs.  
 Latitude: 32.267986111111114  
 Longitude: -103.54886111111111  
 Direction: E







### Daily Field Log

Site: Green Clean Line Leak -1  
Client: Devon Energy Production Company, LP

#### Pictures/Attachments

<p>Date: 2/15/2026  Time: 19:05  Notes: BH26-03 at 4ft bgs.  Latitude: 32.268225  Longitude: -103.54898055555556  Direction: E</p>	 <p>Date &amp; Time: Sun Feb 15 09:36:24 MST 2026  Position: +032.26823 / -103.54898  Altitude: 1118m  Datum: WGS-84  Azimuth/Bearing: 246° S60W 4279miles (True)  Zoom: 1X</p>
<p>Date: 2/15/2026  Time: 19:05  Notes: BH26-06 at 9ft bgs.  Latitude: 32.268658333333335  Longitude: -103.55002777777777  Direction: E</p>	 <p>Date &amp; Time: Sun Feb 15 14:17:46 MST 2026  Position: +032.26866 / -103.55003  Altitude: 1097m  Datum: WGS-84  Azimuth/Bearing: 291° N90W 5170miles (True)  Zoom: 1X</p>



### Daily Field Log

Site: Green Clean Line Leak -1  
Client: Devon Energy Production Company, LP

#### Pictures/Attachments

Date: 2/15/2026  
 Time: 19:05  
 Notes: BH26-07 at 2ft bgs.  
 Latitude: 32.26810555555556  
 Longitude: -103.54842222222221  
 Direction: E



Date: 2/15/2026  
 Time: 18:59  
 Notes:  
 Latitude: 32.268094444444444  
 Longitude: -103.54915  
 Direction: N





Daily Field Log
Site: Green Clean Line Leak

02/16/2026

Location: Default Site Location

By: Sharon Minnix

Table with 4 columns: Field Name, Value, Field Name, Value. Includes Weather (Clear), Staff On-site (Sharon Minnix), Contractor, Contractor Crew, Staff From Time (08:50), Equipment On Site, Tailgate meeting conducted (NA), Incident ID Number (nAPP2602229583).

Work Summary:

Continue delineation and collect horizontal samples

Time Observations

09:04:12 Safety paperwork has been filled out

09:04:25 Purpose of today's visit is to continue delineation and collect horizontal samples

09:54:27 All lines including buried lines, surface line, fence, and poly lines mapped. Equipment mapped.

Handwritten signature of Sharon Minnix

Inspector: Sharon Minnix

Pictures/Attachments

Date: 2/16/2026
Time: 09:20
Notes: BH26-01 marked with white flagging, edge of the release going west
Latitude: 32.26813611111111
Longitude: -103.54933055555556
Direction: N





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 2/16/2026  
Time: 09:21  
Notes: View of the release  
Latitude: 32.26808888888889  
Longitude: -103.54930833333333  
Direction: E



Date: 2/16/2026  
Time: 09:22  
Notes: Salt present at the surface of the release  
Latitude: 32.268097222222224  
Longitude: -103.54930833333333  
Direction: SE





### Daily Field Log

Site: Green Clean Line Leak

#### Pictures/Attachments

Date: 2/16/2026  
 Time: 09:22  
 Notes: Viewing the release towards BH26-03  
 Latitude: 32.26810555555556  
 Longitude: -103.54930277777778  
 Direction: E



Date: 2/16/2026  
 Time: 09:24  
 Notes: View of the release where point of source is at  
 Latitude: 32.26815833333333  
 Longitude: -103.54892777777778  
 Direction: E





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 2/16/2026  
 Time: 09:25  
 Notes: BH26-08 marked with white flagging looking  
 downslope of the release  
 Latitude: 32.26843611111111  
 Longitude: -103.54963055555555  
 Direction: E



Date: 2/16/2026  
 Time: 09:26  
 Notes: BH26-09 marked with white flagging  
 Latitude: 32.26861111111111  
 Longitude: -103.55004722222222  
 Direction: E





### Daily Field Log

Site: Green Clean Line Leak

#### Pictures/Attachments

Date: 2/16/2026  
 Time: 09:30  
 Notes: BH26-10 marked with white flagging  
 Latitude: 32.26855277777778  
 Longitude: -103.55011666666667  
 Direction: E



Date: 2/16/2026  
 Time: 09:31  
 Notes: BH26-11 marked with white flagging  
 Latitude: 32.26849444444444  
 Longitude: -103.55016388888889  
 Direction: NE





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 2/16/2026  
 Time: 10:30  
 Notes: Line locating where boreholes will be acquired  
 Latitude: 32.24730555555556  
 Longitude: -103.55223888888888  
 Direction: N



Date: 2/16/2026  
 Time: 11:48  
 Notes: BH26-01 collected at 0' and 2'  
 Latitude: 32.26862777777778  
 Longitude: -103.55004166666666  
 Direction: W





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 2/16/2026  
Time: 11:49  
Notes: BH26-08 collected at 0' and 2'  
Latitude: 32.26861111111111  
Longitude: -103.55006388888889  
Direction: NW



Date: 2/16/2026  
Time: 11:53  
Notes: BH26-11 collected at 0' and 2'  
Latitude: 32.26858611111111  
Longitude: -103.55008055555555  
Direction: NW





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 2/16/2026  
Time: 11:54  
Notes: BH26-10 collected at 0' and 2'  
Latitude: 32.26789722222224  
Longitude: -103.54866944444444  
Direction: W



Date: 2/16/2026  
Time: 12:02  
Notes: BH26-09 collected at 0' and 2'  
Latitude: 32.26862777777778  
Longitude: -103.55004166666666  
Direction: SE





Daily Field Log
Site: Green Clean Line Leak

03/11/2026

Location: Default Site Location

By: Steph McCarty

Table with 4 columns: Field Name, Value, Field Name, Value. Includes Weather (Chilly|Wind), Staff On-site (Steph McCarty), Contractor (Mccullar & Sons), Contractor Crew (Gereth, Aaron), Staff From Time, Equipment On Site (Small excavator), Tailgate meeting conducted (Yes), Incident ID Number (nAPP2602229583).

Work Summary:

Vertical delineation

Table with 2 columns: Time, Observations. Contains 6 rows of work log entries with timestamps and descriptions of site activities.

Handwritten signature of Steph McCarty

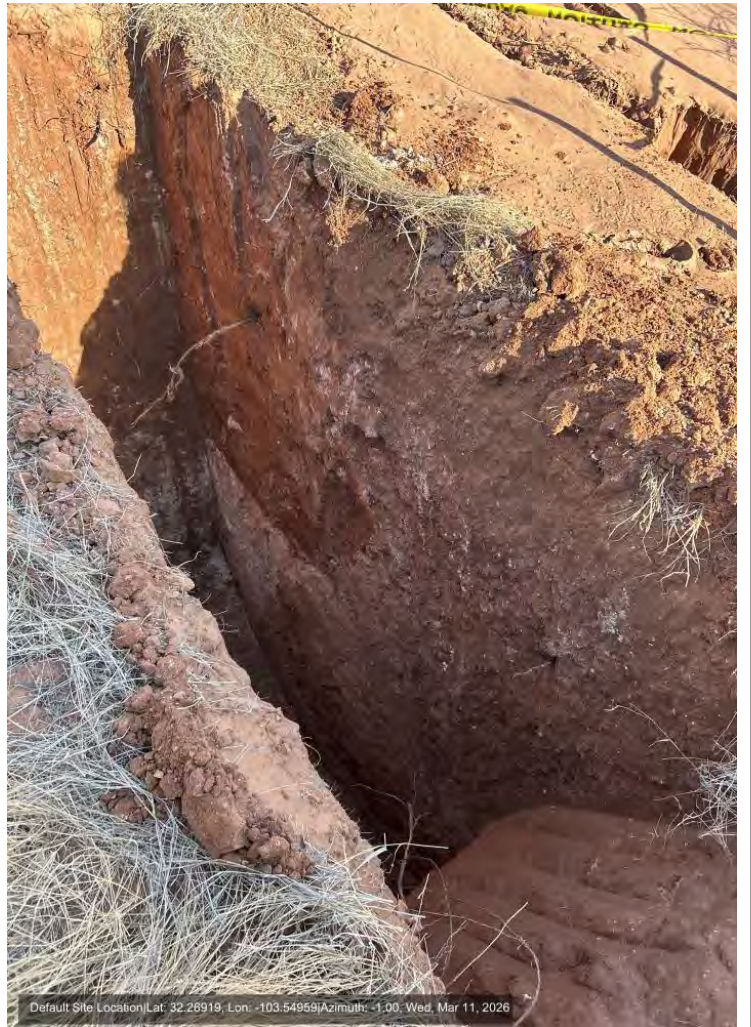
Inspector: Steph McCarty



Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/11/2026  
Time: 09:39  
Notes: TP26-01 Excavated to 12ft, sample was collected.  
Latitude: 32.26918888888889  
Longitude: -103.54959166666667  
Direction: SE





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/11/2026  
Time: 09:39  
Notes: TP26-01 Excavated to 12ft, sample was collected.  
Latitude: 32.26869444444444  
Longitude: -103.55000277777778  
Direction: SE



Default Site Location|Lat: 32.26869, Lon: -103.55000|Azimuth: -1.00, Wed, Mar 11, 2026



Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/11/2026  
 Time: 07:30  
 Notes: Initial TP26-01 sample point to 10 ft.  
 Latitude: 32.26866388888889  
 Longitude: -103.55000277777778  
 Direction: N



Date: 3/11/2026  
 Time: 07:30  
 Notes: Initial TP26-01 sample point to 10 ft. An 8 ft sample was also collected here. This area was discovered to be clean.  
 Latitude: 32.26867222222222  
 Longitude: -103.54999444444444  
 Direction: N





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/11/2026  
Time: 08:07  
Notes: Prior to moving closer to original BH26-06 (moved slightly outside of it due to buried pipeline safety procedures) performed a line sweep.  
Latitude: 32.26860833333333  
Longitude: -103.55005555555556  
Direction: E

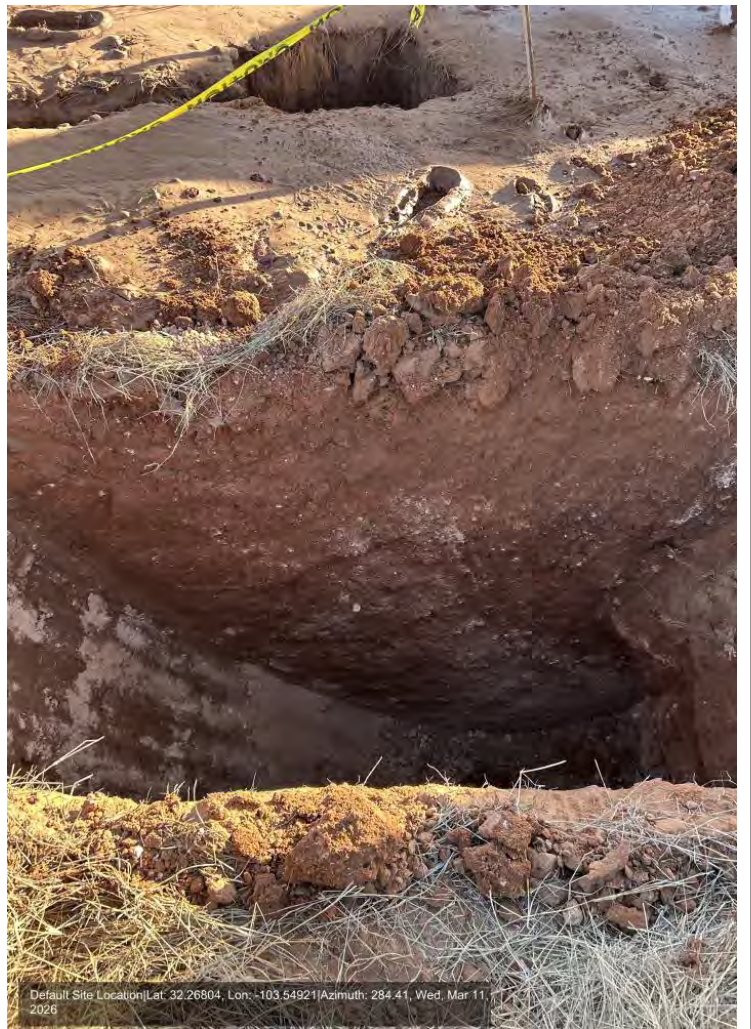




Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/11/2026  
Time: 08:30  
Notes: TP26-01 location south of original starting location. Excavated to 8ft, sample was collected and found to correlate with BH26-06.  
Latitude: 32.26804444444444  
Longitude: -103.54921111111111  
Direction: SE





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/11/2026  
Time: 08:30  
Notes: Excavated to 8ft, sample was collected and found to correlate with BH26-06.  
Latitude: 32.26804444444444  
Longitude: -103.54921111111111  
Direction: SE





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/11/2026  
Time: 08:38  
Notes: TP26-01 Excavated to 10ft, sample was collected. 8 ft sample was collected from this location.  
Latitude: 32.268652777777774  
Longitude: -103.55000277777778  
Direction: NE



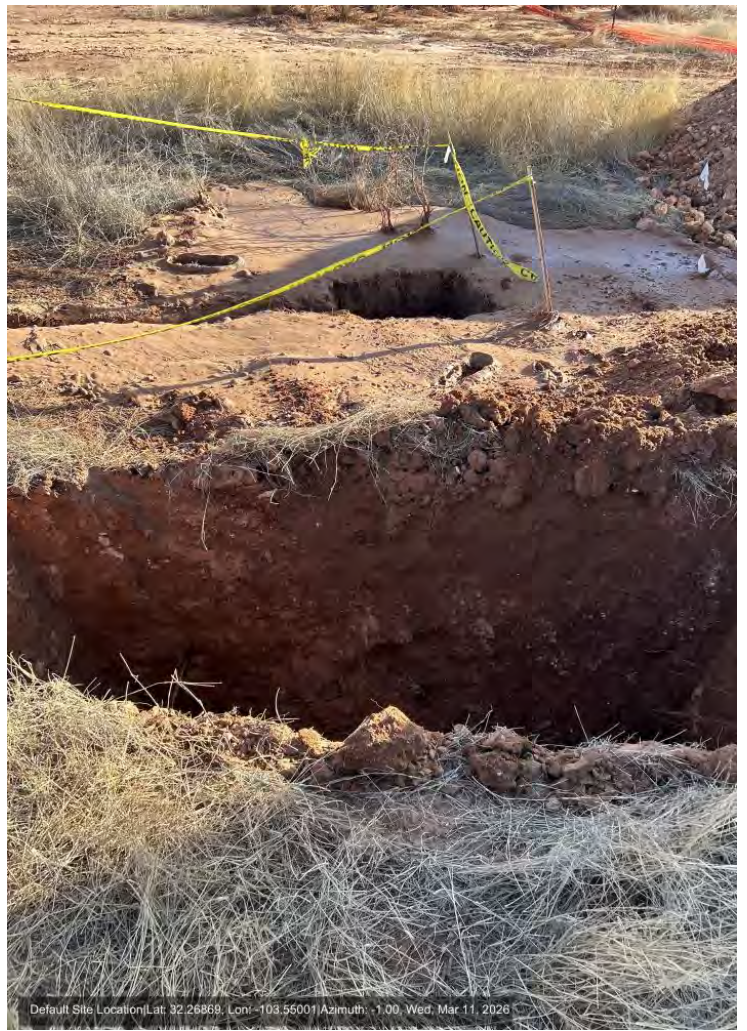
Default Site Location(Lat: 32.26865, Lon: -103.55000)Azimuth: -1.00, Wed, Mar 11, 2026



Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/11/2026  
Time: 08:38  
Notes: TP26-01 Excavated to 10ft, sample was collected.  
Latitude: 32.26869166666667  
Longitude: -103.55001111111111  
Direction: NE





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/11/2026  
Time: 09:14  
Notes: TP26-01 Excavated to 11ft, sample was collected.  
Latitude: 32.26831388888889  
Longitude: -103.55008055555555  
Direction: SW





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/11/2026  
 Time: 09:14  
 Notes: TP26-01 Excavated to 11ft, sample was collected.  
 Latitude: 32.26868888888889  
 Longitude: -103.55001111111111  
 Direction: SW



Date: 3/11/2026  
 Time: 10:12  
 Notes: TP26-01 Excavated to 12.25ft, sample was collected.  
 Latitude: 32.26868888888889  
 Longitude: -103.55001111111111  
 Direction: N





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/11/2026  
Time: 12:02  
Notes: TP26-01 Excavated to 12.8ft, sample was collected.  
Latitude: 32.26491388888889  
Longitude: -103.54023611111111  
Direction: S





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/11/2026  
 Time: 13:04  
 Notes: TP26-01 Excavated to 13ft, sample was collected. Transition between red sand and dense rocky sandy material begins.  
 Latitude: 32.26808888888889  
 Longitude: -103.54885833333333  
 Direction: S



Date: 3/11/2026  
 Time: 14:07  
 Notes: TP26-01 excavation area secured per Devon safety approval with fencing.  
 Latitude: 32.26806944444444  
 Longitude: -103.54873611111111  
 Direction: S





Daily Field Log
Site: Green Clean Line Leak

03/17/2026

Location: Default Site Location

By: Steph McCarty

Table with 4 columns: Field Name, Value, Field Name, Value. Includes Weather (Cold|Clear), Staff On-site (Steph McCarty), Contractor (Mccullar & Sons), Contractor Crew (Gareth, Miles, Aaron), Staff From Time, Tailgate meeting conducted (Yes), Equipment On Site, Incident ID Number (nAPP2602229583).

Work Summary:

Vertical delineation

Time Observations

Table with 2 columns: Time, Observations. Contains 4 entries detailing site activities from 07:17:49 to 12:11:52, including safety meetings, sample collection, and excavation work.

Inspector: Steph McCarty



Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/17/2026  
Time: 07:25  
Notes: TP26-01 at 13 ft, collected discrete sample.  
Latitude: 32.26867222222222  
Longitude: -103.5498638888889  
Direction: SW



Default Site Location|Lat: 32.26867, Lon: -103.54986|Azimuth: -1.00, Tue, Mar 17, 2026



Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/17/2026  
Time: 11:28  
Notes: TP26-01 at 13.6 ft, collected discrete sample.  
Latitude: 32.26801944444444  
Longitude: -103.54887222222222  
Direction: NW





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/17/2026  
Time: 11:49  
Notes: TP26-01 at 14 ft, collected discrete sample.  
Latitude: 32.26871111111111  
Longitude: -103.54985833333333  
Direction: SW



Default Site Location|Lat: 32.26871, Lon: -103.54986|Azimuth: -1.00, Tue, Mar 17, 2026



Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/17/2026  
Time: 11:58  
Notes: TP26-01 at 14 ft, with measuring tape.  
Latitude: 32.26871111111111  
Longitude: -103.54987222222222  
Direction: S



Date: 3/17/2026  
Time: 11:58  
Notes: TP26-01 at 14 ft location.  
Latitude: 32.26871111111111  
Longitude: -103.54985833333333  
Direction: S





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/17/2026  
Time: 11:58  
Notes: TP26-01 at 14 ft, location.  
Latitude: 32.26871111111111  
Longitude: -103.54985833333333  
Direction: S



Date: 3/17/2026  
Time: 12:40  
Notes: Area backfilled  
Latitude: 32.26871111111111  
Longitude: -103.54985833333333  
Direction: S





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/17/2026  
Time: 12:40  
Notes: Area backfilled  
Latitude: 32.26871111111111  
Longitude: -103.54985833333333  
Direction: S





Daily Field Log  
Site: Green Clean Line Leak

03/23/2026

Location: Default Site Location

By: Steph McCarty

Weather	Cold Partly Cloudy	Contractor	
Staff On-site		Contractor Crew	N/A
Staff From Time		Equipment On Site	Hand auger
Tailgate meeting conducted	Yes	Incident ID Number	nAPP2602229583

Work Summary:

Horizontal delineation

Time	Observations
------	--------------

11:45:54	Observed marked lines and swept areas for lines with line locator. Collected BH26-12 to south and BH26-13 to north at 0 and 2 feet. (4 samples total). Field screened for chlorides. Samples were all below criteria limits.
12:08:56	Prepared samples for lab analysis per standards and backfilled boreholes.

Inspector: Steph McCarty



Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/23/2026  
 Time: 10:58  
 Notes: View from south looking slight northeast. BH26-12 with hand auger in borehole at 2 ft. Samples BH26-12 0ft and 2ft.  
 Latitude: 32.26849722222222  
 Longitude: -103.54975833333333  
 Direction: W



Date: 3/23/2026  
 Time: 11:15  
 Notes: View from west looking eastsoutheast. BH26-13 with hand auger in borehole at 2 ft. Samples BH26-13 0ft and 2ft  
 Latitude: 32.26823888888889  
 Longitude: -103.54917777777777  
 Direction: SW





Daily Field Log  
Site: Green Clean Line Leak

Pictures/Attachments

Date: 3/23/2026  
 Time: 12:06  
 Notes: View from south looking eastnortheast. Sample point BH26-12.  
 Latitude: 32.267802777777774  
 Longitude: -103.549119444444444  
 Direction: W



Date: 3/23/2026  
 Time: 12:06  
 Notes: View from west looking east. BH26-13. Sample point BH26-13.  
 Latitude: 32.268352777777778  
 Longitude: -103.549605555555556  
 Direction: W



## APPENDIX G – Laboratory Certificates of Analyses



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Mr. Kent Stallings  
Vertex  
3101 Boyd Dr  
Carlsbad, New Mexico 88220

Generated 2/24/2026 4:13:03 PM

## JOB DESCRIPTION

Green Clean Line Leak

## JOB NUMBER

885-43582-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

See page two for job notes and contact information.



# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



Generated  
2/24/2026 4:13:03 PM

Authorized for release by  
Andy Freeman, Business Unit Manager  
[andy.freeman@et.eurofinsus.com](mailto:andy.freeman@et.eurofinsus.com)  
(505)345-3975

Client: Vertex  
Project/Site: Green Clean Line Leak

Laboratory Job ID: 885-43582-1



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	36
QC Association Summary . . . . .	44
Lab Chronicle . . . . .	51
Certification Summary . . . . .	61
Chain of Custody . . . . .	62
Receipt Checklists . . . . .	65

## Definitions/Glossary

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

## Qualifiers

## GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.

## HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Vertex  
Project: Green Clean Line Leak

Job ID: 885-43582-1

**Job ID: 885-43582-1**

**Eurofins Albuquerque**

## Job Narrative 885-43582-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

### Receipt

The samples were received on 2/18/2026 11:16 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C.

### Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Diesel Range Organics

Method 8015M/D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 885-43387 and analytical batch 885-43420 recovered outside control limits for the following analytes: Diesel Range Organics [C10-C28]. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8015M/D: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 885-43387 and analytical batch 885-43420 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015M/D: Surrogate recovery for the following sample is outside the upper control limit: (LCS 885-43387/2-A). Corresponding LCS has high surrogate outside of calibration range. However, samples associated with the LCS have surrogate within calibration range. Therefore, data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



### Client Sample Results

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-02 0'

Lab Sample ID: 885-43582-1

Date Collected: 02/15/26 09:00

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/18/26 15:59	02/21/26 02:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/18/26 15:59	02/21/26 02:53	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 15:59	02/21/26 02:53	1
Ethylbenzene	ND		0.049	mg/Kg		02/18/26 15:59	02/21/26 02:53	1
Toluene	ND		0.049	mg/Kg		02/18/26 15:59	02/21/26 02:53	1
Xylenes, Total	ND		0.098	mg/Kg		02/18/26 15:59	02/21/26 02:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/18/26 15:59	02/21/26 02:53	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/19/26 11:20	02/19/26 17:50	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/19/26 11:20	02/19/26 17:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			02/19/26 11:20	02/19/26 17:50	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		50	mg/Kg		02/19/26 11:32	02/19/26 17:30	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

**Client Sample ID: BH26-02 2'**

**Lab Sample ID: 885-43582-2**

Date Collected: 02/15/26 09:05

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/18/26 15:59	02/21/26 03:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/18/26 15:59	02/21/26 03:57	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/18/26 15:59	02/21/26 03:57	1
Ethylbenzene	ND		0.050	mg/Kg		02/18/26 15:59	02/21/26 03:57	1
Toluene	ND		0.050	mg/Kg		02/18/26 15:59	02/21/26 03:57	1
Xylenes, Total	ND		0.10	mg/Kg		02/18/26 15:59	02/21/26 03:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/18/26 15:59	02/21/26 03:57	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/19/26 11:20	02/19/26 18:02	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/19/26 11:20	02/19/26 18:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			02/19/26 11:20	02/19/26 18:02	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4600		50	mg/Kg		02/19/26 11:32	02/19/26 17:40	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

**Client Sample ID: BH26-02 4'**

**Lab Sample ID: 885-43582-3**

Date Collected: 02/15/26 09:10

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		02/18/26 15:59	02/21/26 05:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/18/26 15:59	02/21/26 05:02	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/18/26 15:59	02/21/26 05:02	1
Ethylbenzene	ND		0.046	mg/Kg		02/18/26 15:59	02/21/26 05:02	1
Toluene	ND		0.046	mg/Kg		02/18/26 15:59	02/21/26 05:02	1
Xylenes, Total	ND		0.092	mg/Kg		02/18/26 15:59	02/21/26 05:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			02/18/26 15:59	02/21/26 05:02	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/19/26 11:20	02/19/26 18:13	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/19/26 11:20	02/19/26 18:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			02/19/26 11:20	02/19/26 18:13	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3700		50	mg/Kg		02/19/26 11:32	02/19/26 17:51	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

**Client Sample ID: BH26-02 6'**

**Lab Sample ID: 885-43582-4**

Date Collected: 02/15/26 12:15

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		02/18/26 15:59	02/21/26 05:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/18/26 15:59	02/21/26 05:23	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/18/26 15:59	02/21/26 05:23	1
Ethylbenzene	ND		0.046	mg/Kg		02/18/26 15:59	02/21/26 05:23	1
Toluene	ND		0.046	mg/Kg		02/18/26 15:59	02/21/26 05:23	1
Xylenes, Total	ND		0.092	mg/Kg		02/18/26 15:59	02/21/26 05:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			02/18/26 15:59	02/21/26 05:23	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/19/26 11:20	02/19/26 18:24	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/19/26 11:20	02/19/26 18:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			02/19/26 11:20	02/19/26 18:24	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	940		50	mg/Kg		02/19/26 12:58	02/19/26 18:22	10

Eurofins Albuquerque

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-02 8'

Lab Sample ID: 885-43582-5

Date Collected: 02/15/26 12:20

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/18/26 15:59	02/21/26 05:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/18/26 15:59	02/21/26 05:45	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 15:59	02/21/26 05:45	1
Ethylbenzene	ND		0.049	mg/Kg		02/18/26 15:59	02/21/26 05:45	1
Toluene	ND		0.049	mg/Kg		02/18/26 15:59	02/21/26 05:45	1
Xylenes, Total	ND		0.097	mg/Kg		02/18/26 15:59	02/21/26 05:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			02/18/26 15:59	02/21/26 05:45	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/19/26 11:20	02/19/26 18:35	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/19/26 11:20	02/19/26 18:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			02/19/26 11:20	02/19/26 18:35	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		50	mg/Kg		02/19/26 12:58	02/19/26 18:32	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-03 0'

Lab Sample ID: 885-43582-6

Date Collected: 02/15/26 09:20

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/18/26 15:59	02/21/26 06:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/18/26 15:59	02/21/26 06:06	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 15:59	02/21/26 06:06	1
Ethylbenzene	ND		0.048	mg/Kg		02/18/26 15:59	02/21/26 06:06	1
Toluene	ND		0.048	mg/Kg		02/18/26 15:59	02/21/26 06:06	1
Xylenes, Total	ND		0.096	mg/Kg		02/18/26 15:59	02/21/26 06:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			02/18/26 15:59	02/21/26 06:06	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/19/26 11:20	02/19/26 18:47	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/19/26 11:20	02/19/26 18:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			02/19/26 11:20	02/19/26 18:47	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4500		51	mg/Kg		02/19/26 12:58	02/19/26 19:45	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-03 2'

Lab Sample ID: 885-43582-7

Date Collected: 02/15/26 09:25

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/18/26 15:59	02/21/26 06:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/18/26 15:59	02/21/26 06:28	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/18/26 15:59	02/21/26 06:28	1
Ethylbenzene	ND		0.050	mg/Kg		02/18/26 15:59	02/21/26 06:28	1
Toluene	ND		0.050	mg/Kg		02/18/26 15:59	02/21/26 06:28	1
Xylenes, Total	ND		0.10	mg/Kg		02/18/26 15:59	02/21/26 06:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/18/26 15:59	02/21/26 06:28	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/19/26 11:20	02/19/26 18:58	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/19/26 11:20	02/19/26 18:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			02/19/26 11:20	02/19/26 18:58	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4500		50	mg/Kg		02/19/26 12:58	02/19/26 19:55	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-03 4'

Lab Sample ID: 885-43582-8

Date Collected: 02/15/26 09:30

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/18/26 15:59	02/21/26 06:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/18/26 15:59	02/21/26 06:49	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 15:59	02/21/26 06:49	1
Ethylbenzene	ND		0.048	mg/Kg		02/18/26 15:59	02/21/26 06:49	1
Toluene	ND		0.048	mg/Kg		02/18/26 15:59	02/21/26 06:49	1
Xylenes, Total	ND		0.096	mg/Kg		02/18/26 15:59	02/21/26 06:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			02/18/26 15:59	02/21/26 06:49	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/19/26 11:20	02/19/26 19:09	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/19/26 11:20	02/19/26 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			02/19/26 11:20	02/19/26 19:09	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		50	mg/Kg		02/19/26 12:58	02/19/26 20:05	10

## Client Sample Results

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-04 0'

Lab Sample ID: 885-43582-9

Date Collected: 02/15/26 10:00

Matrix: Solid

Date Received: 02/18/26 11:16

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/18/26 15:59	02/21/26 07:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/18/26 15:59	02/21/26 07:11	1

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/18/26 15:59	02/21/26 07:11	1
Ethylbenzene	ND		0.049	mg/Kg		02/18/26 15:59	02/21/26 07:11	1
Toluene	ND		0.049	mg/Kg		02/18/26 15:59	02/21/26 07:11	1
Xylenes, Total	ND		0.099	mg/Kg		02/18/26 15:59	02/21/26 07:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/18/26 15:59	02/21/26 07:11	1

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/19/26 11:20	02/19/26 19:32	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/19/26 11:20	02/19/26 19:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			02/19/26 11:20	02/19/26 19:32	1

## Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/19/26 12:58	02/19/26 20:16	10

Eurofins Albuquerque

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-04 2'

Lab Sample ID: 885-43582-10

Date Collected: 02/15/26 10:05

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/18/26 15:59	02/21/26 07:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/18/26 15:59	02/21/26 07:32	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 15:59	02/21/26 07:32	1
Ethylbenzene	ND		0.048	mg/Kg		02/18/26 15:59	02/21/26 07:32	1
Toluene	ND		0.048	mg/Kg		02/18/26 15:59	02/21/26 07:32	1
Xylenes, Total	ND		0.096	mg/Kg		02/18/26 15:59	02/21/26 07:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/18/26 15:59	02/21/26 07:32	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		02/19/26 11:20	02/19/26 19:43	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/19/26 11:20	02/19/26 19:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	69		62 - 134			02/19/26 11:20	02/19/26 19:43	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/19/26 12:58	02/19/26 20:26	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-05 0'

Lab Sample ID: 885-43582-11

Date Collected: 02/15/26 10:15

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/18/26 15:59	02/21/26 08:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/18/26 15:59	02/21/26 08:37	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 15:59	02/21/26 08:37	1
Ethylbenzene	ND		0.047	mg/Kg		02/18/26 15:59	02/21/26 08:37	1
Toluene	ND		0.047	mg/Kg		02/18/26 15:59	02/21/26 08:37	1
Xylenes, Total	ND		0.094	mg/Kg		02/18/26 15:59	02/21/26 08:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/18/26 15:59	02/21/26 08:37	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/19/26 11:20	02/19/26 19:54	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/19/26 11:20	02/19/26 19:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	71		62 - 134			02/19/26 11:20	02/19/26 19:54	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/19/26 12:58	02/19/26 20:36	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-05 2'

Lab Sample ID: 885-43582-12

Date Collected: 02/15/26 10:20

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/18/26 15:59	02/21/26 08:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/18/26 15:59	02/21/26 08:58	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 15:59	02/21/26 08:58	1
Ethylbenzene	ND		0.049	mg/Kg		02/18/26 15:59	02/21/26 08:58	1
Toluene	ND		0.049	mg/Kg		02/18/26 15:59	02/21/26 08:58	1
Xylenes, Total	ND		0.098	mg/Kg		02/18/26 15:59	02/21/26 08:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/18/26 15:59	02/21/26 08:58	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		02/19/26 11:20	02/19/26 20:06	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/19/26 11:20	02/19/26 20:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	69		62 - 134			02/19/26 11:20	02/19/26 20:06	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/19/26 12:58	02/19/26 21:07	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

**Client Sample ID: BH26-06 0'**

**Lab Sample ID: 885-43582-13**

Date Collected: 02/15/26 13:55

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/18/26 15:59	02/21/26 09:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			02/18/26 15:59	02/21/26 09:20	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/18/26 15:59	02/21/26 09:20	1
Ethylbenzene	ND		0.049	mg/Kg		02/18/26 15:59	02/21/26 09:20	1
Toluene	ND		0.049	mg/Kg		02/18/26 15:59	02/21/26 09:20	1
Xylenes, Total	ND		0.099	mg/Kg		02/18/26 15:59	02/21/26 09:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/18/26 15:59	02/21/26 09:20	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		02/19/26 11:20	02/19/26 20:17	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/19/26 11:20	02/19/26 20:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	70		62 - 134			02/19/26 11:20	02/19/26 20:17	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	570		49	mg/Kg		02/19/26 12:58	02/19/26 21:18	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-06 2'

Lab Sample ID: 885-43582-14

Date Collected: 02/15/26 14:00

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/18/26 15:59	02/21/26 09:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/18/26 15:59	02/21/26 09:41	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/18/26 15:59	02/21/26 09:41	1
Ethylbenzene	ND		0.047	mg/Kg		02/18/26 15:59	02/21/26 09:41	1
Toluene	ND		0.047	mg/Kg		02/18/26 15:59	02/21/26 09:41	1
Xylenes, Total	ND		0.093	mg/Kg		02/18/26 15:59	02/21/26 09:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/18/26 15:59	02/21/26 09:41	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		02/19/26 11:20	02/19/26 20:28	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/19/26 11:20	02/19/26 20:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	72		62 - 134			02/19/26 11:20	02/19/26 20:28	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3200		49	mg/Kg		02/19/26 12:58	02/19/26 21:28	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-06 4'

Lab Sample ID: 885-43582-15

Date Collected: 02/15/26 14:05

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/18/26 15:59	02/21/26 10:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/18/26 15:59	02/21/26 10:03	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 15:59	02/21/26 10:03	1
Ethylbenzene	ND		0.048	mg/Kg		02/18/26 15:59	02/21/26 10:03	1
Toluene	ND		0.048	mg/Kg		02/18/26 15:59	02/21/26 10:03	1
Xylenes, Total	ND		0.097	mg/Kg		02/18/26 15:59	02/21/26 10:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/18/26 15:59	02/21/26 10:03	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		02/19/26 11:20	02/19/26 20:39	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/19/26 11:20	02/19/26 20:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			02/19/26 11:20	02/19/26 20:39	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1900		51	mg/Kg		02/19/26 12:58	02/19/26 21:38	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-06 6'

Lab Sample ID: 885-43582-16

Date Collected: 02/15/26 14:10

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/18/26 15:59	02/21/26 10:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/18/26 15:59	02/21/26 10:24	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/18/26 15:59	02/21/26 10:24	1
Ethylbenzene	ND		0.050	mg/Kg		02/18/26 15:59	02/21/26 10:24	1
Toluene	ND		0.050	mg/Kg		02/18/26 15:59	02/21/26 10:24	1
Xylenes, Total	ND		0.10	mg/Kg		02/18/26 15:59	02/21/26 10:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/18/26 15:59	02/21/26 10:24	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		02/19/26 11:20	02/19/26 20:51	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		02/19/26 11:20	02/19/26 20:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	75		62 - 134			02/19/26 11:20	02/19/26 20:51	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3200		50	mg/Kg		02/19/26 12:58	02/19/26 21:49	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-06 8'

Lab Sample ID: 885-43582-17

Date Collected: 02/15/26 14:15

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/18/26 15:59	02/21/26 10:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/18/26 15:59	02/21/26 10:46	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/18/26 15:59	02/21/26 10:46	1
Ethylbenzene	ND		0.047	mg/Kg		02/18/26 15:59	02/21/26 10:46	1
Toluene	ND		0.047	mg/Kg		02/18/26 15:59	02/21/26 10:46	1
Xylenes, Total	ND		0.093	mg/Kg		02/18/26 15:59	02/21/26 10:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/18/26 15:59	02/21/26 10:46	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/19/26 11:20	02/19/26 21:02	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/19/26 11:20	02/19/26 21:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			02/19/26 11:20	02/19/26 21:02	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2500		51	mg/Kg		02/19/26 12:58	02/19/26 21:59	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-06 9'

Lab Sample ID: 885-43582-18

Date Collected: 02/15/26 14:18

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/18/26 15:59	02/21/26 11:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/18/26 15:59	02/21/26 11:08	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/18/26 15:59	02/21/26 11:08	1
Ethylbenzene	ND		0.050	mg/Kg		02/18/26 15:59	02/21/26 11:08	1
Toluene	ND		0.050	mg/Kg		02/18/26 15:59	02/21/26 11:08	1
Xylenes, Total	ND		0.099	mg/Kg		02/18/26 15:59	02/21/26 11:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/18/26 15:59	02/21/26 11:08	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		02/19/26 11:20	02/19/26 21:13	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/19/26 11:20	02/19/26 21:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			02/19/26 11:20	02/19/26 21:13	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5700		51	mg/Kg		02/19/26 12:58	02/19/26 22:09	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-07 0'

Lab Sample ID: 885-43582-19

Date Collected: 02/15/26 11:40

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/18/26 15:59	02/21/26 11:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/18/26 15:59	02/21/26 11:30	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 15:59	02/21/26 11:30	1
Ethylbenzene	ND		0.048	mg/Kg		02/18/26 15:59	02/21/26 11:30	1
Toluene	ND		0.048	mg/Kg		02/18/26 15:59	02/21/26 11:30	1
Xylenes, Total	ND		0.095	mg/Kg		02/18/26 15:59	02/21/26 11:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/18/26 15:59	02/21/26 11:30	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/19/26 11:20	02/19/26 21:36	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/19/26 11:20	02/19/26 21:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			02/19/26 11:20	02/19/26 21:36	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/19/26 12:58	02/19/26 22:20	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-07 2'

Lab Sample ID: 885-43582-20

Date Collected: 02/15/26 11:45

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/18/26 15:59	02/21/26 11:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/18/26 15:59	02/21/26 11:51	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 15:59	02/21/26 11:51	1
Ethylbenzene	ND		0.048	mg/Kg		02/18/26 15:59	02/21/26 11:51	1
Toluene	ND		0.048	mg/Kg		02/18/26 15:59	02/21/26 11:51	1
Xylenes, Total	ND		0.096	mg/Kg		02/18/26 15:59	02/21/26 11:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/18/26 15:59	02/21/26 11:51	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		02/19/26 11:20	02/19/26 21:47	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/19/26 11:20	02/19/26 21:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	70		62 - 134			02/19/26 11:20	02/19/26 21:47	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/19/26 12:58	02/19/26 22:30	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-01 0'

Lab Sample ID: 885-43582-21

Date Collected: 02/16/26 10:14

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/18/26 14:52	02/20/26 23:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/18/26 14:52	02/20/26 23:17	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/18/26 14:52	02/20/26 23:17	1
Ethylbenzene	ND		0.047	mg/Kg		02/18/26 14:52	02/20/26 23:17	1
Toluene	ND		0.047	mg/Kg		02/18/26 14:52	02/20/26 23:17	1
Xylenes, Total	ND		0.093	mg/Kg		02/18/26 14:52	02/20/26 23:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			02/18/26 14:52	02/20/26 23:17	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	10	mg/Kg		02/18/26 15:31	02/20/26 01:31	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/18/26 15:31	02/20/26 01:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	113		62 - 134			02/18/26 15:31	02/20/26 01:31	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/19/26 11:32	02/19/26 15:36	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-01 2'

Lab Sample ID: 885-43582-22

Date Collected: 02/16/26 10:31

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/18/26 14:52	02/20/26 23:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/18/26 14:52	02/20/26 23:38	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/18/26 14:52	02/20/26 23:38	1
Ethylbenzene	ND		0.047	mg/Kg		02/18/26 14:52	02/20/26 23:38	1
Toluene	ND		0.047	mg/Kg		02/18/26 14:52	02/20/26 23:38	1
Xylenes, Total	ND		0.093	mg/Kg		02/18/26 14:52	02/20/26 23:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/18/26 14:52	02/20/26 23:38	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.4	mg/Kg		02/18/26 15:31	02/20/26 01:43	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/18/26 15:31	02/20/26 01:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	129		62 - 134			02/18/26 15:31	02/20/26 01:43	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/19/26 11:32	02/19/26 15:47	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-08 0'

Lab Sample ID: 885-43582-23

Date Collected: 02/16/26 10:34

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/18/26 14:52	02/21/26 00:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/18/26 14:52	02/21/26 00:00	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 14:52	02/21/26 00:00	1
Ethylbenzene	ND		0.049	mg/Kg		02/18/26 14:52	02/21/26 00:00	1
Toluene	ND		0.049	mg/Kg		02/18/26 14:52	02/21/26 00:00	1
Xylenes, Total	ND		0.097	mg/Kg		02/18/26 14:52	02/21/26 00:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/18/26 14:52	02/21/26 00:00	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.7	mg/Kg		02/18/26 15:31	02/20/26 01:54	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/18/26 15:31	02/20/26 01:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			02/18/26 15:31	02/20/26 01:54	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		02/19/26 11:32	02/19/26 15:57	10

Eurofins Albuquerque

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-08 2'

Lab Sample ID: 885-43582-24

Date Collected: 02/16/26 10:38

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		02/18/26 14:52	02/21/26 00:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/18/26 14:52	02/21/26 00:22	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 14:52	02/21/26 00:22	1
Ethylbenzene	ND		0.048	mg/Kg		02/18/26 14:52	02/21/26 00:22	1
Toluene	ND		0.048	mg/Kg		02/18/26 14:52	02/21/26 00:22	1
Xylenes, Total	ND		0.097	mg/Kg		02/18/26 14:52	02/21/26 00:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			02/18/26 14:52	02/21/26 00:22	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.6	mg/Kg		02/18/26 15:31	02/20/26 02:06	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/18/26 15:31	02/20/26 02:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	127		62 - 134			02/18/26 15:31	02/20/26 02:06	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/19/26 11:32	02/19/26 16:07	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-09 0'

Lab Sample ID: 885-43582-25

Date Collected: 02/16/26 11:19

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/18/26 14:52	02/21/26 00:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/18/26 14:52	02/21/26 00:43	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 14:52	02/21/26 00:43	1
Ethylbenzene	ND		0.047	mg/Kg		02/18/26 14:52	02/21/26 00:43	1
Toluene	ND		0.047	mg/Kg		02/18/26 14:52	02/21/26 00:43	1
Xylenes, Total	ND		0.094	mg/Kg		02/18/26 14:52	02/21/26 00:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/18/26 14:52	02/21/26 00:43	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.7	mg/Kg		02/18/26 15:31	02/20/26 02:29	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/18/26 15:31	02/20/26 02:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			02/18/26 15:31	02/20/26 02:29	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/19/26 11:32	02/19/26 16:18	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-09 2'

Lab Sample ID: 885-43582-26

Date Collected: 02/16/26 11:31

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/18/26 14:52	02/21/26 01:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/18/26 14:52	02/21/26 01:05	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 14:52	02/21/26 01:05	1
Ethylbenzene	ND		0.047	mg/Kg		02/18/26 14:52	02/21/26 01:05	1
Toluene	ND		0.047	mg/Kg		02/18/26 14:52	02/21/26 01:05	1
Xylenes, Total	ND		0.095	mg/Kg		02/18/26 14:52	02/21/26 01:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			02/18/26 14:52	02/21/26 01:05	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+ F2	9.7	mg/Kg		02/18/26 15:31	02/20/26 02:41	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/18/26 15:31	02/20/26 02:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			02/18/26 15:31	02/20/26 02:41	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/19/26 11:32	02/19/26 16:28	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-10 0'

Lab Sample ID: 885-43582-27

Date Collected: 02/16/26 10:45

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/18/26 16:03	02/20/26 15:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/18/26 16:03	02/20/26 15:15	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/18/26 16:03	02/20/26 15:15	1
Ethylbenzene	ND		0.049	mg/Kg		02/18/26 16:03	02/20/26 15:15	1
Toluene	ND		0.049	mg/Kg		02/18/26 16:03	02/20/26 15:15	1
Xylenes, Total	ND		0.099	mg/Kg		02/18/26 16:03	02/20/26 15:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		15 - 150			02/18/26 16:03	02/20/26 15:15	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		02/19/26 09:16	02/19/26 19:05	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/19/26 09:16	02/19/26 19:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			02/19/26 09:16	02/19/26 19:05	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/19/26 12:58	02/19/26 22:40	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-10 2'

Lab Sample ID: 885-43582-28

Date Collected: 02/16/26 10:57

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		02/18/26 16:03	02/20/26 15:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/18/26 16:03	02/20/26 15:38	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 16:03	02/20/26 15:38	1
Ethylbenzene	ND		0.047	mg/Kg		02/18/26 16:03	02/20/26 15:38	1
Toluene	ND		0.047	mg/Kg		02/18/26 16:03	02/20/26 15:38	1
Xylenes, Total	ND		0.095	mg/Kg		02/18/26 16:03	02/20/26 15:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		15 - 150			02/18/26 16:03	02/20/26 15:38	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/19/26 09:16	02/19/26 19:16	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/19/26 09:16	02/19/26 19:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			02/19/26 09:16	02/19/26 19:16	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/19/26 12:58	02/19/26 23:11	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-11 0'

Lab Sample ID: 885-43582-29

Date Collected: 02/16/26 11:00

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/18/26 16:03	02/20/26 16:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			02/18/26 16:03	02/20/26 16:02	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/18/26 16:03	02/20/26 16:02	1
Ethylbenzene	ND		0.049	mg/Kg		02/18/26 16:03	02/20/26 16:02	1
Toluene	ND		0.049	mg/Kg		02/18/26 16:03	02/20/26 16:02	1
Xylenes, Total	ND		0.098	mg/Kg		02/18/26 16:03	02/20/26 16:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		15 - 150			02/18/26 16:03	02/20/26 16:02	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		02/19/26 09:16	02/19/26 19:26	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/19/26 09:16	02/19/26 19:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	109		62 - 134			02/19/26 09:16	02/19/26 19:26	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		02/19/26 12:58	02/19/26 23:22	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

Client Sample ID: BH26-11 2'

Lab Sample ID: 885-43582-30

Date Collected: 02/16/26 11:12

Matrix: Solid

Date Received: 02/18/26 11:16

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		02/18/26 16:03	02/20/26 16:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/18/26 16:03	02/20/26 16:26	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/18/26 16:03	02/20/26 16:26	1
Ethylbenzene	ND		0.049	mg/Kg		02/18/26 16:03	02/20/26 16:26	1
Toluene	ND		0.049	mg/Kg		02/18/26 16:03	02/20/26 16:26	1
Xylenes, Total	ND		0.099	mg/Kg		02/18/26 16:03	02/20/26 16:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		15 - 150			02/18/26 16:03	02/20/26 16:26	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		02/19/26 09:16	02/19/26 19:37	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/19/26 09:16	02/19/26 19:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			02/19/26 09:16	02/19/26 19:37	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/19/26 15:04	02/20/26 12:41	10

Eurofins Albuquerque

### QC Sample Results

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

#### Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

**Lab Sample ID: MB 885-43382/1-A**  
**Matrix: Solid**  
**Analysis Batch: 43572**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 43382**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/18/26 14:51	02/20/26 15:41	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/18/26 14:51	02/20/26 15:41	1

**Lab Sample ID: LCS 885-43382/2-A**  
**Matrix: Solid**  
**Analysis Batch: 43572**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 43382**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	26.6		mg/Kg		106	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	223		15 - 150				

**Lab Sample ID: MB 885-43392/1-A**  
**Matrix: Solid**  
**Analysis Batch: 43616**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 43392**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		02/18/26 15:59	02/21/26 02:31	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			02/18/26 15:59	02/21/26 02:31	1

**Lab Sample ID: LCS 885-43392/2-A**  
**Matrix: Solid**  
**Analysis Batch: 43616**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 43392**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	27.0		mg/Kg		108	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	229		15 - 150				

**Lab Sample ID: 885-43582-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 43616**

**Client Sample ID: BH26-02 0'**  
**Prep Type: Total/NA**  
**Prep Batch: 43392**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		23.6	24.5		mg/Kg		104	70 - 130

Eurofins Albuquerque

### QC Sample Results

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

#### Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-43582-1 MS  
Matrix: Solid  
Analysis Batch: 43616

Client Sample ID: BH26-02 0'  
Prep Type: Total/NA  
Prep Batch: 43392

Surrogate	%Recovery	MS MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	227		15 - 150

Lab Sample ID: 885-43582-1 MSD  
Matrix: Solid  
Analysis Batch: 43616

Client Sample ID: BH26-02 0'  
Prep Type: Total/NA  
Prep Batch: 43392

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	ND		23.5	23.8		mg/Kg		101	70 - 130	3	20	

Surrogate	%Recovery	MSD MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	225		15 - 150

#### Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-43382/1-A  
Matrix: Solid  
Analysis Batch: 43571

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 43382

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.050	mg/Kg		02/18/26 14:51	02/20/26 15:41	1
Toluene	ND		0.050	mg/Kg		02/18/26 14:51	02/20/26 15:41	1
Xylenes, Total	ND		0.10	mg/Kg		02/18/26 14:51	02/20/26 15:41	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150	02/18/26 14:51	02/20/26 15:41	1

Lab Sample ID: LCS 885-43382/3-A  
Matrix: Solid  
Analysis Batch: 43571

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 43382

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	1.01		mg/Kg		101	70 - 130
Ethylbenzene	1.00	1.01		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	2.00	2.03		mg/Kg		101	70 - 130
o-Xylene	1.00	1.01		mg/Kg		101	70 - 130
Toluene	1.00	1.01		mg/Kg		101	70 - 130

Surrogate	%Recovery	LCS LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		15 - 150

Lab Sample ID: MB 885-43392/1-A  
Matrix: Solid  
Analysis Batch: 43615

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 43392

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Eurofins Albuquerque

### QC Sample Results

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

#### Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: MB 885-43392/1-A**  
**Matrix: Solid**  
**Analysis Batch: 43615**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 43392**

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Ethylbenzene	ND		0.050	mg/Kg		02/18/26 15:59	02/21/26 02:31	1
Toluene	ND		0.050	mg/Kg		02/18/26 15:59	02/21/26 02:31	1
Xylenes, Total	ND		0.10	mg/Kg		02/18/26 15:59	02/21/26 02:31	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	99		15 - 150	02/18/26 15:59	02/21/26 02:31	1

**Lab Sample ID: LCS 885-43392/3-A**  
**Matrix: Solid**  
**Analysis Batch: 43615**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 43392**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	1.08		mg/Kg		108	70 - 130
Ethylbenzene	1.00	1.07		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	2.00	2.19		mg/Kg		109	70 - 130
o-Xylene	1.00	1.07		mg/Kg		107	70 - 130
Toluene	1.00	1.10		mg/Kg		110	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		15 - 150

**Lab Sample ID: 885-43582-2 MS**  
**Matrix: Solid**  
**Analysis Batch: 43615**

**Client Sample ID: BH26-02 2'**  
**Prep Type: Total/NA**  
**Prep Batch: 43392**

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	ND		0.973	0.976		mg/Kg		100	70 - 130
Ethylbenzene	ND		0.973	0.985		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	ND		1.95	1.95		mg/Kg		100	70 - 130
o-Xylene	ND		0.973	0.974		mg/Kg		100	70 - 130
Toluene	ND		0.973	0.989		mg/Kg		102	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		15 - 150

**Lab Sample ID: 885-43582-2 MSD**  
**Matrix: Solid**  
**Analysis Batch: 43615**

**Client Sample ID: BH26-02 2'**  
**Prep Type: Total/NA**  
**Prep Batch: 43392**

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	ND		0.972	0.933		mg/Kg		96	70 - 130	5	20
Ethylbenzene	ND		0.972	0.931		mg/Kg		96	70 - 130	6	20
m-Xylene & p-Xylene	ND		1.94	1.89		mg/Kg		97	70 - 130	3	20
o-Xylene	ND		0.972	0.919		mg/Kg		95	70 - 130	6	20
Toluene	ND		0.972	0.944		mg/Kg		97	70 - 130	5	20

Eurofins Albuquerque

### QC Sample Results

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

#### Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-43582-2 MSD  
Matrix: Solid  
Analysis Batch: 43615

Client Sample ID: BH26-02 2'  
Prep Type: Total/NA  
Prep Batch: 43392

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		15 - 150

Lab Sample ID: MB 885-43393/1-A  
Matrix: Solid  
Analysis Batch: 43505

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 43393

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/18/26 16:03	02/20/26 06:02	1
Ethylbenzene	ND		0.050	mg/Kg		02/18/26 16:03	02/20/26 06:02	1
Toluene	ND		0.050	mg/Kg		02/18/26 16:03	02/20/26 06:02	1
Xylenes, Total	ND		0.10	mg/Kg		02/18/26 16:03	02/20/26 06:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		15 - 150	02/18/26 16:03	02/20/26 06:02	1

Lab Sample ID: LCS 885-43393/3-A  
Matrix: Solid  
Analysis Batch: 43505

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 43393

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.985		mg/Kg		99	70 - 130
Ethylbenzene	1.00	0.967		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	2.00	1.99		mg/Kg		100	70 - 130
o-Xylene	1.00	0.961		mg/Kg		96	70 - 130
Toluene	1.00	0.994		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		15 - 150

#### Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-43387/1-A  
Matrix: Solid  
Analysis Batch: 43420

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 43387

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/18/26 15:31	02/19/26 22:12	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/18/26 15:31	02/19/26 22:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	110		62 - 134	02/18/26 15:31	02/19/26 22:12	1

Eurofins Albuquerque

### QC Sample Results

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

#### Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 885-43387/2-A  
Matrix: Solid  
Analysis Batch: 43420

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 43387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	77.9	*+	mg/Kg		156	51 - 148
<b>Surrogate</b>		<b>LCS %Recovery</b>	<b>LCS Qualifier</b>				<b>Limits</b>
Di-n-octyl phthalate (Surr)		160	S1+				62 - 134

Lab Sample ID: 885-43582-26 MS  
Matrix: Solid  
Analysis Batch: 43420

Client Sample ID: BH26-09 2'  
Prep Type: Total/NA  
Prep Batch: 43387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND	*+ F2	48.7	63.3		mg/Kg		130	44 - 136
<b>Surrogate</b>		<b>MS %Recovery</b>		<b>MS Qualifier</b>					<b>Limits</b>
Di-n-octyl phthalate (Surr)		122							62 - 134

Lab Sample ID: 885-43582-26 MSD  
Matrix: Solid  
Analysis Batch: 43420

Client Sample ID: BH26-09 2'  
Prep Type: Total/NA  
Prep Batch: 43387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND	*+ F2	50.0	44.7	F2	mg/Kg		90	44 - 136	34	32
<b>Surrogate</b>		<b>MSD %Recovery</b>		<b>MSD Qualifier</b>					<b>Limits</b>		
Di-n-octyl phthalate (Surr)		91							62 - 134		

Lab Sample ID: MB 885-43422/1-A  
Matrix: Solid  
Analysis Batch: 43419

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 43422

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/19/26 09:16	02/19/26 11:38	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/19/26 09:16	02/19/26 11:38	1
<b>Surrogate</b>		<b>MB %Recovery</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Di-n-octyl phthalate (Surr)		95				02/19/26 09:16	02/19/26 11:38	1

Lab Sample ID: LCS 885-43422/2-A  
Matrix: Solid  
Analysis Batch: 43419

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 43422

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	55.8		mg/Kg		112	51 - 148

Eurofins Albuquerque

### QC Sample Results

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

#### Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 885-43422/2-A  
Matrix: Solid  
Analysis Batch: 43419

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 43422

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	98		62 - 134

Lab Sample ID: MB 885-43435/1-A  
Matrix: Solid  
Analysis Batch: 43421

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 43435

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/19/26 11:20	02/19/26 17:28	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/19/26 11:20	02/19/26 17:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134	02/19/26 11:20	02/19/26 17:28	1

Lab Sample ID: LCS 885-43435/2-A  
Matrix: Solid  
Analysis Batch: 43421

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 43435

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	45.4		mg/Kg		91	51 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	76		62 - 134

Lab Sample ID: 885-43582-20 MS  
Matrix: Solid  
Analysis Batch: 43421

Client Sample ID: BH26-07 2'  
Prep Type: Total/NA  
Prep Batch: 43435

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		49.9	45.9		mg/Kg		92	44 - 136

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	67		62 - 134

Lab Sample ID: 885-43582-20 MSD  
Matrix: Solid  
Analysis Batch: 43421

Client Sample ID: BH26-07 2'  
Prep Type: Total/NA  
Prep Batch: 43435

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		47.9	40.9		mg/Kg		85	44 - 136	11	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	63		62 - 134

Eurofins Albuquerque

### QC Sample Results

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-43437/1-A  
Matrix: Solid  
Analysis Batch: 43445

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 43437

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.1	mg/Kg		02/19/26 11:32	02/19/26 12:51	1

Lab Sample ID: LCS 885-43437/2-A  
Matrix: Solid  
Analysis Batch: 43445

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 43437

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.7	51.0		mg/Kg		101	90 - 110

Lab Sample ID: MB 885-43452/1-A  
Matrix: Solid  
Analysis Batch: 43445

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 43452

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.1	mg/Kg		02/19/26 12:58	02/19/26 18:01	1

Lab Sample ID: LCS 885-43452/2-A  
Matrix: Solid  
Analysis Batch: 43445

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 43452

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.3	49.8		mg/Kg		101	90 - 110

Lab Sample ID: 885-43582-4 MS  
Matrix: Solid  
Analysis Batch: 43445

Client Sample ID: BH26-02 6'  
Prep Type: Total/NA  
Prep Batch: 43452

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	940		49.8	992	4	mg/Kg		113	50 - 150

Lab Sample ID: 885-43582-4 MSD  
Matrix: Solid  
Analysis Batch: 43445

Client Sample ID: BH26-02 6'  
Prep Type: Total/NA  
Prep Batch: 43452

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	940		50.5	1010	4	mg/Kg		148	50 - 150	2	20

Lab Sample ID: 885-43582-5 MS  
Matrix: Solid  
Analysis Batch: 43445

Client Sample ID: BH26-02 8'  
Prep Type: Total/NA  
Prep Batch: 43452

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	500		49.8	551	4	mg/Kg		104	50 - 150

Lab Sample ID: 885-43582-5 MSD  
Matrix: Solid  
Analysis Batch: 43445

Client Sample ID: BH26-02 8'  
Prep Type: Total/NA  
Prep Batch: 43452

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	500		49.8	549	4	mg/Kg		100	50 - 150	0	20

Eurofins Albuquerque

### QC Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-43482/1-A  
 Matrix: Solid  
 Analysis Batch: 43566

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 43482

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.1	mg/Kg		02/19/26 15:04	02/20/26 11:59	1

Lab Sample ID: LCS 885-43482/2-A  
 Matrix: Solid  
 Analysis Batch: 43566

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 43482

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.5	50.0		mg/Kg		99	90 - 110

Lab Sample ID: 885-43582-30 MS  
 Matrix: Solid  
 Analysis Batch: 43566

Client Sample ID: BH26-11 2'  
 Prep Type: Total/NA  
 Prep Batch: 43482

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		50.5	59.6		mg/Kg		NC	50 - 150

Lab Sample ID: 885-43582-30 MSD  
 Matrix: Solid  
 Analysis Batch: 43566

Client Sample ID: BH26-11 2'  
 Prep Type: Total/NA  
 Prep Batch: 43482

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		49.5	59.7		mg/Kg		NC	50 - 150	0	20

### QC Association Summary

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

#### GC VOA

##### Prep Batch: 43382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-21	BH26-01 0'	Total/NA	Solid	5030C	
885-43582-22	BH26-01 2'	Total/NA	Solid	5030C	
885-43582-23	BH26-08 0'	Total/NA	Solid	5030C	
885-43582-24	BH26-08 2'	Total/NA	Solid	5030C	
885-43582-25	BH26-09 0'	Total/NA	Solid	5030C	
885-43582-26	BH26-09 2'	Total/NA	Solid	5030C	
MB 885-43382/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-43382/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-43382/3-A	Lab Control Sample	Total/NA	Solid	5030C	

##### Prep Batch: 43392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-1	BH26-02 0'	Total/NA	Solid	5030C	
885-43582-2	BH26-02 2'	Total/NA	Solid	5030C	
885-43582-3	BH26-02 4'	Total/NA	Solid	5030C	
885-43582-4	BH26-02 6'	Total/NA	Solid	5030C	
885-43582-5	BH26-02 8'	Total/NA	Solid	5030C	
885-43582-6	BH26-03 0'	Total/NA	Solid	5030C	
885-43582-7	BH26-03 2'	Total/NA	Solid	5030C	
885-43582-8	BH26-03 4'	Total/NA	Solid	5030C	
885-43582-9	BH26-04 0'	Total/NA	Solid	5030C	
885-43582-10	BH26-04 2'	Total/NA	Solid	5030C	
885-43582-11	BH26-05 0'	Total/NA	Solid	5030C	
885-43582-12	BH26-05 2'	Total/NA	Solid	5030C	
885-43582-13	BH26-06 0'	Total/NA	Solid	5030C	
885-43582-14	BH26-06 2'	Total/NA	Solid	5030C	
885-43582-15	BH26-06 4'	Total/NA	Solid	5030C	
885-43582-16	BH26-06 6'	Total/NA	Solid	5030C	
885-43582-17	BH26-06 8'	Total/NA	Solid	5030C	
885-43582-18	BH26-06 9'	Total/NA	Solid	5030C	
885-43582-19	BH26-07 0'	Total/NA	Solid	5030C	
885-43582-20	BH26-07 2'	Total/NA	Solid	5030C	
MB 885-43392/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-43392/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-43392/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-43582-1 MS	BH26-02 0'	Total/NA	Solid	5030C	
885-43582-1 MSD	BH26-02 0'	Total/NA	Solid	5030C	
885-43582-2 MS	BH26-02 2'	Total/NA	Solid	5030C	
885-43582-2 MSD	BH26-02 2'	Total/NA	Solid	5030C	

##### Prep Batch: 43393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-27	BH26-10 0'	Total/NA	Solid	5030C	
885-43582-28	BH26-10 2'	Total/NA	Solid	5030C	
885-43582-29	BH26-11 0'	Total/NA	Solid	5030C	
885-43582-30	BH26-11 2'	Total/NA	Solid	5030C	
MB 885-43393/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-43393/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Eurofins Albuquerque

### QC Association Summary

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

#### GC VOA

##### Analysis Batch: 43505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-43393/1-A	Method Blank	Total/NA	Solid	8021B	43393
LCS 885-43393/3-A	Lab Control Sample	Total/NA	Solid	8021B	43393

##### Analysis Batch: 43522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-27	BH26-10 0'	Total/NA	Solid	8015M/D	43393
885-43582-28	BH26-10 2'	Total/NA	Solid	8015M/D	43393
885-43582-29	BH26-11 0'	Total/NA	Solid	8015M/D	43393
885-43582-30	BH26-11 2'	Total/NA	Solid	8015M/D	43393

##### Analysis Batch: 43523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-27	BH26-10 0'	Total/NA	Solid	8021B	43393
885-43582-28	BH26-10 2'	Total/NA	Solid	8021B	43393
885-43582-29	BH26-11 0'	Total/NA	Solid	8021B	43393
885-43582-30	BH26-11 2'	Total/NA	Solid	8021B	43393

##### Analysis Batch: 43571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-21	BH26-01 0'	Total/NA	Solid	8021B	43382
885-43582-22	BH26-01 2'	Total/NA	Solid	8021B	43382
885-43582-23	BH26-08 0'	Total/NA	Solid	8021B	43382
885-43582-24	BH26-08 2'	Total/NA	Solid	8021B	43382
885-43582-25	BH26-09 0'	Total/NA	Solid	8021B	43382
885-43582-26	BH26-09 2'	Total/NA	Solid	8021B	43382
MB 885-43382/1-A	Method Blank	Total/NA	Solid	8021B	43382
LCS 885-43382/3-A	Lab Control Sample	Total/NA	Solid	8021B	43382

##### Analysis Batch: 43572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-21	BH26-01 0'	Total/NA	Solid	8015M/D	43382
885-43582-22	BH26-01 2'	Total/NA	Solid	8015M/D	43382
885-43582-23	BH26-08 0'	Total/NA	Solid	8015M/D	43382
885-43582-24	BH26-08 2'	Total/NA	Solid	8015M/D	43382
885-43582-25	BH26-09 0'	Total/NA	Solid	8015M/D	43382
885-43582-26	BH26-09 2'	Total/NA	Solid	8015M/D	43382
MB 885-43382/1-A	Method Blank	Total/NA	Solid	8015M/D	43382
LCS 885-43382/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43382

##### Analysis Batch: 43615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-1	BH26-02 0'	Total/NA	Solid	8021B	43392
885-43582-2	BH26-02 2'	Total/NA	Solid	8021B	43392
885-43582-3	BH26-02 4'	Total/NA	Solid	8021B	43392
885-43582-4	BH26-02 6'	Total/NA	Solid	8021B	43392
885-43582-5	BH26-02 8'	Total/NA	Solid	8021B	43392
885-43582-6	BH26-03 0'	Total/NA	Solid	8021B	43392
885-43582-7	BH26-03 2'	Total/NA	Solid	8021B	43392
885-43582-8	BH26-03 4'	Total/NA	Solid	8021B	43392
885-43582-9	BH26-04 0'	Total/NA	Solid	8021B	43392
885-43582-10	BH26-04 2'	Total/NA	Solid	8021B	43392

Eurofins Albuquerque

## QC Association Summary

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

## GC VOA (Continued)

## Analysis Batch: 43615 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-11	BH26-05 0'	Total/NA	Solid	8021B	43392
885-43582-12	BH26-05 2'	Total/NA	Solid	8021B	43392
885-43582-13	BH26-06 0'	Total/NA	Solid	8021B	43392
885-43582-14	BH26-06 2'	Total/NA	Solid	8021B	43392
885-43582-15	BH26-06 4'	Total/NA	Solid	8021B	43392
885-43582-16	BH26-06 6'	Total/NA	Solid	8021B	43392
885-43582-17	BH26-06 8'	Total/NA	Solid	8021B	43392
885-43582-18	BH26-06 9'	Total/NA	Solid	8021B	43392
885-43582-19	BH26-07 0'	Total/NA	Solid	8021B	43392
885-43582-20	BH26-07 2'	Total/NA	Solid	8021B	43392
MB 885-43392/1-A	Method Blank	Total/NA	Solid	8021B	43392
LCS 885-43392/3-A	Lab Control Sample	Total/NA	Solid	8021B	43392
885-43582-2 MS	BH26-02 2'	Total/NA	Solid	8021B	43392
885-43582-2 MSD	BH26-02 2'	Total/NA	Solid	8021B	43392

## Analysis Batch: 43616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-1	BH26-02 0'	Total/NA	Solid	8015M/D	43392
885-43582-2	BH26-02 2'	Total/NA	Solid	8015M/D	43392
885-43582-3	BH26-02 4'	Total/NA	Solid	8015M/D	43392
885-43582-4	BH26-02 6'	Total/NA	Solid	8015M/D	43392
885-43582-5	BH26-02 8'	Total/NA	Solid	8015M/D	43392
885-43582-6	BH26-03 0'	Total/NA	Solid	8015M/D	43392
885-43582-7	BH26-03 2'	Total/NA	Solid	8015M/D	43392
885-43582-8	BH26-03 4'	Total/NA	Solid	8015M/D	43392
885-43582-9	BH26-04 0'	Total/NA	Solid	8015M/D	43392
885-43582-10	BH26-04 2'	Total/NA	Solid	8015M/D	43392
885-43582-11	BH26-05 0'	Total/NA	Solid	8015M/D	43392
885-43582-12	BH26-05 2'	Total/NA	Solid	8015M/D	43392
885-43582-13	BH26-06 0'	Total/NA	Solid	8015M/D	43392
885-43582-14	BH26-06 2'	Total/NA	Solid	8015M/D	43392
885-43582-15	BH26-06 4'	Total/NA	Solid	8015M/D	43392
885-43582-16	BH26-06 6'	Total/NA	Solid	8015M/D	43392
885-43582-17	BH26-06 8'	Total/NA	Solid	8015M/D	43392
885-43582-18	BH26-06 9'	Total/NA	Solid	8015M/D	43392
885-43582-19	BH26-07 0'	Total/NA	Solid	8015M/D	43392
885-43582-20	BH26-07 2'	Total/NA	Solid	8015M/D	43392
MB 885-43392/1-A	Method Blank	Total/NA	Solid	8015M/D	43392
LCS 885-43392/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43392
885-43582-1 MS	BH26-02 0'	Total/NA	Solid	8015M/D	43392
885-43582-1 MSD	BH26-02 0'	Total/NA	Solid	8015M/D	43392

## GC Semi VOA

## Prep Batch: 43387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-21	BH26-01 0'	Total/NA	Solid	SHAKE	
885-43582-22	BH26-01 2'	Total/NA	Solid	SHAKE	
885-43582-23	BH26-08 0'	Total/NA	Solid	SHAKE	
885-43582-24	BH26-08 2'	Total/NA	Solid	SHAKE	
885-43582-25	BH26-09 0'	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

## QC Association Summary

Client: Vertex

Job ID: 885-43582-1

Project/Site: Green Clean Line Leak

## GC Semi VOA (Continued)

## Prep Batch: 43387 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-26	BH26-09 2'	Total/NA	Solid	SHAKE	
MB 885-43387/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-43387/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-43582-26 MS	BH26-09 2'	Total/NA	Solid	SHAKE	
885-43582-26 MSD	BH26-09 2'	Total/NA	Solid	SHAKE	

## Analysis Batch: 43419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-27	BH26-10 0'	Total/NA	Solid	8015M/D	43422
885-43582-28	BH26-10 2'	Total/NA	Solid	8015M/D	43422
885-43582-29	BH26-11 0'	Total/NA	Solid	8015M/D	43422
885-43582-30	BH26-11 2'	Total/NA	Solid	8015M/D	43422
MB 885-43422/1-A	Method Blank	Total/NA	Solid	8015M/D	43422
LCS 885-43422/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43422

## Analysis Batch: 43420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-21	BH26-01 0'	Total/NA	Solid	8015M/D	43387
885-43582-22	BH26-01 2'	Total/NA	Solid	8015M/D	43387
885-43582-23	BH26-08 0'	Total/NA	Solid	8015M/D	43387
885-43582-24	BH26-08 2'	Total/NA	Solid	8015M/D	43387
885-43582-25	BH26-09 0'	Total/NA	Solid	8015M/D	43387
885-43582-26	BH26-09 2'	Total/NA	Solid	8015M/D	43387
MB 885-43387/1-A	Method Blank	Total/NA	Solid	8015M/D	43387
LCS 885-43387/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43387
885-43582-26 MS	BH26-09 2'	Total/NA	Solid	8015M/D	43387
885-43582-26 MSD	BH26-09 2'	Total/NA	Solid	8015M/D	43387

## Analysis Batch: 43421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-1	BH26-02 0'	Total/NA	Solid	8015M/D	43435
885-43582-2	BH26-02 2'	Total/NA	Solid	8015M/D	43435
885-43582-3	BH26-02 4'	Total/NA	Solid	8015M/D	43435
885-43582-4	BH26-02 6'	Total/NA	Solid	8015M/D	43435
885-43582-5	BH26-02 8'	Total/NA	Solid	8015M/D	43435
885-43582-6	BH26-03 0'	Total/NA	Solid	8015M/D	43435
885-43582-7	BH26-03 2'	Total/NA	Solid	8015M/D	43435
885-43582-8	BH26-03 4'	Total/NA	Solid	8015M/D	43435
885-43582-9	BH26-04 0'	Total/NA	Solid	8015M/D	43435
885-43582-10	BH26-04 2'	Total/NA	Solid	8015M/D	43435
885-43582-11	BH26-05 0'	Total/NA	Solid	8015M/D	43435
885-43582-12	BH26-05 2'	Total/NA	Solid	8015M/D	43435
885-43582-13	BH26-06 0'	Total/NA	Solid	8015M/D	43435
885-43582-14	BH26-06 2'	Total/NA	Solid	8015M/D	43435
885-43582-15	BH26-06 4'	Total/NA	Solid	8015M/D	43435
885-43582-16	BH26-06 6'	Total/NA	Solid	8015M/D	43435
885-43582-17	BH26-06 8'	Total/NA	Solid	8015M/D	43435
885-43582-18	BH26-06 9'	Total/NA	Solid	8015M/D	43435
885-43582-19	BH26-07 0'	Total/NA	Solid	8015M/D	43435
885-43582-20	BH26-07 2'	Total/NA	Solid	8015M/D	43435
MB 885-43435/1-A	Method Blank	Total/NA	Solid	8015M/D	43435

Eurofins Albuquerque

## QC Association Summary

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

## GC Semi VOA (Continued)

## Analysis Batch: 43421 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-43435/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43435
885-43582-20 MS	BH26-07 2'	Total/NA	Solid	8015M/D	43435
885-43582-20 MSD	BH26-07 2'	Total/NA	Solid	8015M/D	43435

## Prep Batch: 43422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-27	BH26-10 0'	Total/NA	Solid	SHAKE	
885-43582-28	BH26-10 2'	Total/NA	Solid	SHAKE	
885-43582-29	BH26-11 0'	Total/NA	Solid	SHAKE	
885-43582-30	BH26-11 2'	Total/NA	Solid	SHAKE	
MB 885-43422/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-43422/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

## Prep Batch: 43435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-1	BH26-02 0'	Total/NA	Solid	SHAKE	
885-43582-2	BH26-02 2'	Total/NA	Solid	SHAKE	
885-43582-3	BH26-02 4'	Total/NA	Solid	SHAKE	
885-43582-4	BH26-02 6'	Total/NA	Solid	SHAKE	
885-43582-5	BH26-02 8'	Total/NA	Solid	SHAKE	
885-43582-6	BH26-03 0'	Total/NA	Solid	SHAKE	
885-43582-7	BH26-03 2'	Total/NA	Solid	SHAKE	
885-43582-8	BH26-03 4'	Total/NA	Solid	SHAKE	
885-43582-9	BH26-04 0'	Total/NA	Solid	SHAKE	
885-43582-10	BH26-04 2'	Total/NA	Solid	SHAKE	
885-43582-11	BH26-05 0'	Total/NA	Solid	SHAKE	
885-43582-12	BH26-05 2'	Total/NA	Solid	SHAKE	
885-43582-13	BH26-06 0'	Total/NA	Solid	SHAKE	
885-43582-14	BH26-06 2'	Total/NA	Solid	SHAKE	
885-43582-15	BH26-06 4'	Total/NA	Solid	SHAKE	
885-43582-16	BH26-06 6'	Total/NA	Solid	SHAKE	
885-43582-17	BH26-06 8'	Total/NA	Solid	SHAKE	
885-43582-18	BH26-06 9'	Total/NA	Solid	SHAKE	
885-43582-19	BH26-07 0'	Total/NA	Solid	SHAKE	
885-43582-20	BH26-07 2'	Total/NA	Solid	SHAKE	
MB 885-43435/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-43435/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-43582-20 MS	BH26-07 2'	Total/NA	Solid	SHAKE	
885-43582-20 MSD	BH26-07 2'	Total/NA	Solid	SHAKE	

## HPLC/IC

## Prep Batch: 43437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-1	BH26-02 0'	Total/NA	Solid	300_Prep	
885-43582-2	BH26-02 2'	Total/NA	Solid	300_Prep	
885-43582-3	BH26-02 4'	Total/NA	Solid	300_Prep	
885-43582-21	BH26-01 0'	Total/NA	Solid	300_Prep	
885-43582-22	BH26-01 2'	Total/NA	Solid	300_Prep	
885-43582-23	BH26-08 0'	Total/NA	Solid	300_Prep	
885-43582-24	BH26-08 2'	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

## QC Association Summary

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

## HPLC/IC (Continued)

## Prep Batch: 43437 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-25	BH26-09 0'	Total/NA	Solid	300_Prep	
885-43582-26	BH26-09 2'	Total/NA	Solid	300_Prep	
MB 885-43437/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-43437/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

## Analysis Batch: 43445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-1	BH26-02 0'	Total/NA	Solid	300.0	43437
885-43582-2	BH26-02 2'	Total/NA	Solid	300.0	43437
885-43582-3	BH26-02 4'	Total/NA	Solid	300.0	43437
885-43582-4	BH26-02 6'	Total/NA	Solid	300.0	43452
885-43582-5	BH26-02 8'	Total/NA	Solid	300.0	43452
885-43582-6	BH26-03 0'	Total/NA	Solid	300.0	43452
885-43582-7	BH26-03 2'	Total/NA	Solid	300.0	43452
885-43582-8	BH26-03 4'	Total/NA	Solid	300.0	43452
885-43582-9	BH26-04 0'	Total/NA	Solid	300.0	43452
885-43582-10	BH26-04 2'	Total/NA	Solid	300.0	43452
885-43582-11	BH26-05 0'	Total/NA	Solid	300.0	43452
885-43582-12	BH26-05 2'	Total/NA	Solid	300.0	43452
885-43582-13	BH26-06 0'	Total/NA	Solid	300.0	43452
885-43582-14	BH26-06 2'	Total/NA	Solid	300.0	43452
885-43582-15	BH26-06 4'	Total/NA	Solid	300.0	43452
885-43582-16	BH26-06 6'	Total/NA	Solid	300.0	43452
885-43582-17	BH26-06 8'	Total/NA	Solid	300.0	43452
885-43582-18	BH26-06 9'	Total/NA	Solid	300.0	43452
885-43582-19	BH26-07 0'	Total/NA	Solid	300.0	43452
885-43582-20	BH26-07 2'	Total/NA	Solid	300.0	43452
885-43582-21	BH26-01 0'	Total/NA	Solid	300.0	43437
885-43582-22	BH26-01 2'	Total/NA	Solid	300.0	43437
885-43582-23	BH26-08 0'	Total/NA	Solid	300.0	43437
885-43582-24	BH26-08 2'	Total/NA	Solid	300.0	43437
885-43582-25	BH26-09 0'	Total/NA	Solid	300.0	43437
885-43582-26	BH26-09 2'	Total/NA	Solid	300.0	43437
885-43582-27	BH26-10 0'	Total/NA	Solid	300.0	43452
885-43582-28	BH26-10 2'	Total/NA	Solid	300.0	43452
885-43582-29	BH26-11 0'	Total/NA	Solid	300.0	43452
MB 885-43437/1-A	Method Blank	Total/NA	Solid	300.0	43437
MB 885-43452/1-A	Method Blank	Total/NA	Solid	300.0	43452
LCS 885-43437/2-A	Lab Control Sample	Total/NA	Solid	300.0	43437
LCS 885-43452/2-A	Lab Control Sample	Total/NA	Solid	300.0	43452
885-43582-4 MS	BH26-02 6'	Total/NA	Solid	300.0	43452
885-43582-4 MSD	BH26-02 6'	Total/NA	Solid	300.0	43452
885-43582-5 MS	BH26-02 8'	Total/NA	Solid	300.0	43452
885-43582-5 MSD	BH26-02 8'	Total/NA	Solid	300.0	43452

## Prep Batch: 43452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-4	BH26-02 6'	Total/NA	Solid	300_Prep	
885-43582-5	BH26-02 8'	Total/NA	Solid	300_Prep	
885-43582-6	BH26-03 0'	Total/NA	Solid	300_Prep	
885-43582-7	BH26-03 2'	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

### QC Association Summary

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

#### HPLC/IC (Continued)

##### Prep Batch: 43452 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-8	BH26-03 4'	Total/NA	Solid	300_Prep	
885-43582-9	BH26-04 0'	Total/NA	Solid	300_Prep	
885-43582-10	BH26-04 2'	Total/NA	Solid	300_Prep	
885-43582-11	BH26-05 0'	Total/NA	Solid	300_Prep	
885-43582-12	BH26-05 2'	Total/NA	Solid	300_Prep	
885-43582-13	BH26-06 0'	Total/NA	Solid	300_Prep	
885-43582-14	BH26-06 2'	Total/NA	Solid	300_Prep	
885-43582-15	BH26-06 4'	Total/NA	Solid	300_Prep	
885-43582-16	BH26-06 6'	Total/NA	Solid	300_Prep	
885-43582-17	BH26-06 8'	Total/NA	Solid	300_Prep	
885-43582-18	BH26-06 9'	Total/NA	Solid	300_Prep	
885-43582-19	BH26-07 0'	Total/NA	Solid	300_Prep	
885-43582-20	BH26-07 2'	Total/NA	Solid	300_Prep	
885-43582-27	BH26-10 0'	Total/NA	Solid	300_Prep	
885-43582-28	BH26-10 2'	Total/NA	Solid	300_Prep	
885-43582-29	BH26-11 0'	Total/NA	Solid	300_Prep	
MB 885-43452/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-43452/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-43582-4 MS	BH26-02 6'	Total/NA	Solid	300_Prep	
885-43582-4 MSD	BH26-02 6'	Total/NA	Solid	300_Prep	
885-43582-5 MS	BH26-02 8'	Total/NA	Solid	300_Prep	
885-43582-5 MSD	BH26-02 8'	Total/NA	Solid	300_Prep	

##### Prep Batch: 43482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-30	BH26-11 2'	Total/NA	Solid	300_Prep	
MB 885-43482/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-43482/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-43582-30 MS	BH26-11 2'	Total/NA	Solid	300_Prep	
885-43582-30 MSD	BH26-11 2'	Total/NA	Solid	300_Prep	

##### Analysis Batch: 43566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43582-30	BH26-11 2'	Total/NA	Solid	300.0	43482
MB 885-43482/1-A	Method Blank	Total/NA	Solid	300.0	43482
LCS 885-43482/2-A	Lab Control Sample	Total/NA	Solid	300.0	43482
885-43582-30 MS	BH26-11 2'	Total/NA	Solid	300.0	43482
885-43582-30 MSD	BH26-11 2'	Total/NA	Solid	300.0	43482

### Lab Chronicle

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

**Client Sample ID: BH26-02 0'**

**Lab Sample ID: 885-43582-1**

Date Collected: 02/15/26 09:00

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 02:53
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 02:53
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 17:50
Total/NA	Prep	300_Prep			43437	EH	EET ALB	02/19/26 11:32
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 17:30

**Client Sample ID: BH26-02 2'**

**Lab Sample ID: 885-43582-2**

Date Collected: 02/15/26 09:05

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 03:57
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 03:57
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 18:02
Total/NA	Prep	300_Prep			43437	EH	EET ALB	02/19/26 11:32
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 17:40

**Client Sample ID: BH26-02 4'**

**Lab Sample ID: 885-43582-3**

Date Collected: 02/15/26 09:10

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 05:02
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 05:02
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 18:13
Total/NA	Prep	300_Prep			43437	EH	EET ALB	02/19/26 11:32
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 17:51

**Client Sample ID: BH26-02 6'**

**Lab Sample ID: 885-43582-4**

Date Collected: 02/15/26 12:15

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 05:23

Eurofins Albuquerque

### Lab Chronicle

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

**Client Sample ID: BH26-02 6'**

**Lab Sample ID: 885-43582-4**

Date Collected: 02/15/26 12:15

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 05:23
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 18:24
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 18:22

**Client Sample ID: BH26-02 8'**

**Lab Sample ID: 885-43582-5**

Date Collected: 02/15/26 12:20

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 05:45
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 05:45
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 18:35
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 18:32

**Client Sample ID: BH26-03 0'**

**Lab Sample ID: 885-43582-6**

Date Collected: 02/15/26 09:20

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 06:06
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 06:06
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 18:47
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 19:45

**Client Sample ID: BH26-03 2'**

**Lab Sample ID: 885-43582-7**

Date Collected: 02/15/26 09:25

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 06:28
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 06:28

Eurofins Albuquerque

### Lab Chronicle

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

**Client Sample ID: BH26-03 2'**

**Lab Sample ID: 885-43582-7**

Date Collected: 02/15/26 09:25

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 18:58
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 19:55

**Client Sample ID: BH26-03 4'**

**Lab Sample ID: 885-43582-8**

Date Collected: 02/15/26 09:30

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 06:49
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 06:49
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 19:09
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 20:05

**Client Sample ID: BH26-04 0'**

**Lab Sample ID: 885-43582-9**

Date Collected: 02/15/26 10:00

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 07:11
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 07:11
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 19:32
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 20:16

**Client Sample ID: BH26-04 2'**

**Lab Sample ID: 885-43582-10**

Date Collected: 02/15/26 10:05

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 07:32
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 07:32
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 19:43

Eurofins Albuquerque

### Lab Chronicle

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

**Client Sample ID: BH26-04 2'**

**Lab Sample ID: 885-43582-10**

Date Collected: 02/15/26 10:05

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 20:26

**Client Sample ID: BH26-05 0'**

**Lab Sample ID: 885-43582-11**

Date Collected: 02/15/26 10:15

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 08:37
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 08:37
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 19:54
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 20:36

**Client Sample ID: BH26-05 2'**

**Lab Sample ID: 885-43582-12**

Date Collected: 02/15/26 10:20

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 08:58
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 08:58
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 20:06
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 21:07

**Client Sample ID: BH26-06 0'**

**Lab Sample ID: 885-43582-13**

Date Collected: 02/15/26 13:55

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 09:20
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 09:20
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 20:17
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 21:18

Eurofins Albuquerque

### Lab Chronicle

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

**Client Sample ID: BH26-06 2'**

**Lab Sample ID: 885-43582-14**

Date Collected: 02/15/26 14:00

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 09:41
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 09:41
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 20:28
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 21:28

**Client Sample ID: BH26-06 4'**

**Lab Sample ID: 885-43582-15**

Date Collected: 02/15/26 14:05

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 10:03
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 10:03
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 20:39
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 21:38

**Client Sample ID: BH26-06 6'**

**Lab Sample ID: 885-43582-16**

Date Collected: 02/15/26 14:10

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 10:24
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 10:24
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 20:51
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 21:49

**Client Sample ID: BH26-06 8'**

**Lab Sample ID: 885-43582-17**

Date Collected: 02/15/26 14:15

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 10:46

### Lab Chronicle

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

**Client Sample ID: BH26-06 8'**

**Lab Sample ID: 885-43582-17**

Date Collected: 02/15/26 14:15

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 10:46
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 21:02
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 21:59

**Client Sample ID: BH26-06 9'**

**Lab Sample ID: 885-43582-18**

Date Collected: 02/15/26 14:18

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 11:08
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 11:08
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 21:13
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 22:09

**Client Sample ID: BH26-07 0'**

**Lab Sample ID: 885-43582-19**

Date Collected: 02/15/26 11:40

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 11:30
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 11:30
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 21:36
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 22:20

**Client Sample ID: BH26-07 2'**

**Lab Sample ID: 885-43582-20**

Date Collected: 02/15/26 11:45

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8015M/D		1	43616	AT	EET ALB	02/21/26 11:51
Total/NA	Prep	5030C			43392	VP	EET ALB	02/18/26 15:59
Total/NA	Analysis	8021B		1	43615	AT	EET ALB	02/21/26 11:51

Eurofins Albuquerque

### Lab Chronicle

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

**Client Sample ID: BH26-07 2'**

**Lab Sample ID: 885-43582-20**

Date Collected: 02/15/26 11:45

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			43435	DR	EET ALB	02/19/26 11:20
Total/NA	Analysis	8015M/D		1	43421	EM	EET ALB	02/19/26 21:47
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 22:30

**Client Sample ID: BH26-01 0'**

**Lab Sample ID: 885-43582-21**

Date Collected: 02/16/26 10:14

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43382	VP	EET ALB	02/18/26 14:52
Total/NA	Analysis	8015M/D		1	43572	AT	EET ALB	02/20/26 23:17
Total/NA	Prep	5030C			43382	VP	EET ALB	02/18/26 14:52
Total/NA	Analysis	8021B		1	43571	AT	EET ALB	02/20/26 23:17
Total/NA	Prep	SHAKE			43387	DR	EET ALB	02/18/26 15:31
Total/NA	Analysis	8015M/D		1	43420	EM	EET ALB	02/20/26 01:31
Total/NA	Prep	300_Prep			43437	EH	EET ALB	02/19/26 11:32
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 15:36

**Client Sample ID: BH26-01 2'**

**Lab Sample ID: 885-43582-22**

Date Collected: 02/16/26 10:31

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43382	VP	EET ALB	02/18/26 14:52
Total/NA	Analysis	8015M/D		1	43572	AT	EET ALB	02/20/26 23:38
Total/NA	Prep	5030C			43382	VP	EET ALB	02/18/26 14:52
Total/NA	Analysis	8021B		1	43571	AT	EET ALB	02/20/26 23:38
Total/NA	Prep	SHAKE			43387	DR	EET ALB	02/18/26 15:31
Total/NA	Analysis	8015M/D		1	43420	EM	EET ALB	02/20/26 01:43
Total/NA	Prep	300_Prep			43437	EH	EET ALB	02/19/26 11:32
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 15:47

**Client Sample ID: BH26-08 0'**

**Lab Sample ID: 885-43582-23**

Date Collected: 02/16/26 10:34

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43382	VP	EET ALB	02/18/26 14:52
Total/NA	Analysis	8015M/D		1	43572	AT	EET ALB	02/21/26 00:00
Total/NA	Prep	5030C			43382	VP	EET ALB	02/18/26 14:52
Total/NA	Analysis	8021B		1	43571	AT	EET ALB	02/21/26 00:00
Total/NA	Prep	SHAKE			43387	DR	EET ALB	02/18/26 15:31
Total/NA	Analysis	8015M/D		1	43420	EM	EET ALB	02/20/26 01:54

Eurofins Albuquerque

### Lab Chronicle

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

**Client Sample ID: BH26-08 0'**

**Lab Sample ID: 885-43582-23**

Date Collected: 02/16/26 10:34

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			43437	EH	EET ALB	02/19/26 11:32
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 15:57

**Client Sample ID: BH26-08 2'**

**Lab Sample ID: 885-43582-24**

Date Collected: 02/16/26 10:38

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43382	VP	EET ALB	02/18/26 14:52
Total/NA	Analysis	8015M/D		1	43572	AT	EET ALB	02/21/26 00:22
Total/NA	Prep	5030C			43382	VP	EET ALB	02/18/26 14:52
Total/NA	Analysis	8021B		1	43571	AT	EET ALB	02/21/26 00:22
Total/NA	Prep	SHAKE			43387	DR	EET ALB	02/18/26 15:31
Total/NA	Analysis	8015M/D		1	43420	EM	EET ALB	02/20/26 02:06
Total/NA	Prep	300_Prep			43437	EH	EET ALB	02/19/26 11:32
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 16:07

**Client Sample ID: BH26-09 0'**

**Lab Sample ID: 885-43582-25**

Date Collected: 02/16/26 11:19

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43382	VP	EET ALB	02/18/26 14:52
Total/NA	Analysis	8015M/D		1	43572	AT	EET ALB	02/21/26 00:43
Total/NA	Prep	5030C			43382	VP	EET ALB	02/18/26 14:52
Total/NA	Analysis	8021B		1	43571	AT	EET ALB	02/21/26 00:43
Total/NA	Prep	SHAKE			43387	DR	EET ALB	02/18/26 15:31
Total/NA	Analysis	8015M/D		1	43420	EM	EET ALB	02/20/26 02:29
Total/NA	Prep	300_Prep			43437	EH	EET ALB	02/19/26 11:32
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 16:18

**Client Sample ID: BH26-09 2'**

**Lab Sample ID: 885-43582-26**

Date Collected: 02/16/26 11:31

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43382	VP	EET ALB	02/18/26 14:52
Total/NA	Analysis	8015M/D		1	43572	AT	EET ALB	02/21/26 01:05
Total/NA	Prep	5030C			43382	VP	EET ALB	02/18/26 14:52
Total/NA	Analysis	8021B		1	43571	AT	EET ALB	02/21/26 01:05
Total/NA	Prep	SHAKE			43387	DR	EET ALB	02/18/26 15:31
Total/NA	Analysis	8015M/D		1	43420	EM	EET ALB	02/20/26 02:41
Total/NA	Prep	300_Prep			43437	EH	EET ALB	02/19/26 11:32
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 16:28

Eurofins Albuquerque

### Lab Chronicle

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

**Client Sample ID: BH26-10 0'**

**Lab Sample ID: 885-43582-27**

Date Collected: 02/16/26 10:45

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43393	JP	EET ALB	02/18/26 16:03
Total/NA	Analysis	8015M/D		1	43522	VP	EET ALB	02/20/26 15:15
Total/NA	Prep	5030C			43393	JP	EET ALB	02/18/26 16:03
Total/NA	Analysis	8021B		1	43523	VP	EET ALB	02/20/26 15:15
Total/NA	Prep	SHAKE			43422	DR	EET ALB	02/19/26 09:16
Total/NA	Analysis	8015M/D		1	43419	EM	EET ALB	02/19/26 19:05
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 22:40

**Client Sample ID: BH26-10 2'**

**Lab Sample ID: 885-43582-28**

Date Collected: 02/16/26 10:57

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43393	JP	EET ALB	02/18/26 16:03
Total/NA	Analysis	8015M/D		1	43522	VP	EET ALB	02/20/26 15:38
Total/NA	Prep	5030C			43393	JP	EET ALB	02/18/26 16:03
Total/NA	Analysis	8021B		1	43523	VP	EET ALB	02/20/26 15:38
Total/NA	Prep	SHAKE			43422	DR	EET ALB	02/19/26 09:16
Total/NA	Analysis	8015M/D		1	43419	EM	EET ALB	02/19/26 19:16
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 23:11

**Client Sample ID: BH26-11 0'**

**Lab Sample ID: 885-43582-29**

Date Collected: 02/16/26 11:00

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43393	JP	EET ALB	02/18/26 16:03
Total/NA	Analysis	8015M/D		1	43522	VP	EET ALB	02/20/26 16:02
Total/NA	Prep	5030C			43393	JP	EET ALB	02/18/26 16:03
Total/NA	Analysis	8021B		1	43523	VP	EET ALB	02/20/26 16:02
Total/NA	Prep	SHAKE			43422	DR	EET ALB	02/19/26 09:16
Total/NA	Analysis	8015M/D		1	43419	EM	EET ALB	02/19/26 19:26
Total/NA	Prep	300_Prep			43452	EH	EET ALB	02/19/26 12:58
Total/NA	Analysis	300.0		10	43445	KB	EET ALB	02/19/26 23:22

**Client Sample ID: BH26-11 2'**

**Lab Sample ID: 885-43582-30**

Date Collected: 02/16/26 11:12

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43393	JP	EET ALB	02/18/26 16:03
Total/NA	Analysis	8015M/D		1	43522	VP	EET ALB	02/20/26 16:26

Eurofins Albuquerque

### Lab Chronicle

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

**Client Sample ID: BH26-11 2'**

**Lab Sample ID: 885-43582-30**

Date Collected: 02/16/26 11:12

Matrix: Solid

Date Received: 02/18/26 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43393	JP	EET ALB	02/18/26 16:03
Total/NA	Analysis	8021B		1	43523	VP	EET ALB	02/20/26 16:26
Total/NA	Prep	SHAKE			43422	DR	EET ALB	02/19/26 09:16
Total/NA	Analysis	8015M/D		1	43419	EM	EET ALB	02/19/26 19:37
Total/NA	Prep	300_Prep			43482	EH	EET ALB	02/19/26 15:04
Total/NA	Analysis	300.0		10	43566	EH	EET ALB	02/20/26 12:41

**Laboratory References:**

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975



### Accreditation/Certification Summary

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-43582-1

#### Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date																																				
New Mexico	State	NM9425	02-25-26																																				
<p>The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.</p> <table border="1"> <thead> <tr> <th>Analysis Method</th> <th>Prep Method</th> <th>Matrix</th> <th>Analyte</th> </tr> </thead> <tbody> <tr> <td>300.0</td> <td>300_Prep</td> <td>Solid</td> <td>Chloride</td> </tr> <tr> <td>8015M/D</td> <td>5030C</td> <td>Solid</td> <td>Gasoline Range Organics (GRO)-C6-C10</td> </tr> <tr> <td>8015M/D</td> <td>SHAKE</td> <td>Solid</td> <td>Diesel Range Organics [C10-C28]</td> </tr> <tr> <td>8015M/D</td> <td>SHAKE</td> <td>Solid</td> <td>Motor Oil Range Organics [C28-C40]</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Benzene</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Ethylbenzene</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Toluene</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Xylenes, Total</td> </tr> </tbody> </table>				Analysis Method	Prep Method	Matrix	Analyte	300.0	300_Prep	Solid	Chloride	8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10	8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]	8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]	8021B	5030C	Solid	Benzene	8021B	5030C	Solid	Ethylbenzene	8021B	5030C	Solid	Toluene	8021B	5030C	Solid	Xylenes, Total
Analysis Method	Prep Method	Matrix	Analyte																																				
300.0	300_Prep	Solid	Chloride																																				
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10																																				
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]																																				
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]																																				
8021B	5030C	Solid	Benzene																																				
8021B	5030C	Solid	Ethylbenzene																																				
8021B	5030C	Solid	Toluene																																				
8021B	5030C	Solid	Xylenes, Total																																				
Oregon	NELAP	NM100001	02-25-26																																				

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

**Chain-of-Custody Record**

Client: Vertex (bill to Devon Energy)

Mailing Address: 3101 Boyd Dr  
Carlsbad, New Mexico 88220

Phone #: 575.725.5001

email or Fax#:

QA/QC Package:  
 Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance  
 NELAC  Other

EDD (Type)

Turn-Around Time:  
✓ Rush 5 Day  
Standard TAT

Project Name:  
Green Clean Line Leak

Project #:  
26A-00738

Project Manager:  
Sally Carttar  
SCarttar@vertexresource.com

Sampler:  
John Rewis

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CF): 55 + 0.2 = 5.7°



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com  
4901 Hawkins NE - Albuquerque, N  
Tel. 505-345-3975 Fax 505-345



885-43582 COC

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	RTEX / MTBE / TMB's (8021)	TPH8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
2.15.26	900	soil	BH26-02 0'	1,40z	ice		X	X					X			
2.15.26	905	soil	BH26-02 2'	1,40z	ice		X	X					X			
2.15.26	910	soil	BH26-02 4'	1,40z	ice		X	X					X			
2.15.26	1215	soil	BH26-02 6'	1,40z	ice		X	X					X			
2.15.26	1220	soil	BH26-02 8'	1,40z	ice		X	X					X			
2.15.26	920	soil	BH26-03 0'	1,40z	ice		X	X					X			
2.15.26	925	soil	BH26-03 2'	1,40z	ice		X	X					X			
2.15.26	930	soil	BH26-03 4'	1,40z	ice		X	X					X			
2.15.26	1000	soil	BH26-04 0'	1,40z	ice		X	X					X			
2.15.26	1005	soil	BH26-04 2'	1,40z	ice		X	X					X			
2.15.26	1015	soil	BH26-05 0'	1,40z	ice		X	X					X			
2.15.26	1020	soil	BH26-05 2'	1,40z	ice		X	X					X			

Date: 2/17/20 Time: 955 Relinquished by: [Signature] Received by: [Signature] Date: 2/17/20 Time: 955

Date: 2/17/20 Time: 1910 Relinquished by: [Signature] Received by: [Signature] Date: 2/18/26 Time: 7:45

Remarks: Direct Bill to Devon Energy ATTN: Jim Raley CC: Sally Carttar (Scarttar@vertexresource.com), Permian@vertexresource.com, and Sharon Minnix (Sminnix@vertexresource.com), for final report.  
Johnrewis@vertexresource.com

**Chain-of-Custody Record**

Client: Vertex (bill to Devon Energy)

Mailing Address: 3101 Boyd Dr  
Carlsbad, New Mexico 88220

Phone #: 575.725.5001

email or Fax#:

QA/QC Package:  
 Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance  
 NELAC  Other \_\_\_\_\_

EDD (Type) \_\_\_\_\_

Turn-Around Time:  
X Rush 5 Day  
Standard TAT

Project Name: Green Clean  
26A-00738 Line Leak

Project #:  
26A-00738

Project Manager:  
Sally Carttar  
SCarttar@vertexresource.com

Sampler: Sharon Minnix  
On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CF): 5.5 + 0.2 = 5.7 °C



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH 8015D (GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
2.16.26	1014	Soil	BH26-01 0'	1,4oz	ice		X	X					X			
2.16.26	1031	Soil	BH26-01 2'	1,4oz	ice		X	X					X			
2.16.26	1034	Soil	BH26-08 0'	1,4oz	ice		X	X					X			
2.16.26	1038	soil	BH26-08 2'	1,4oz	ice		X	X					X			
2.16.26	1119	Soil	BH26-09 0'	1,4oz	ice		X	X					X			
2.16.26	1131	Soil	BH26-09 2'	1,4oz	ice		X	X					X			
2.16.26	1045	soil	BH26-10 0'	1,4oz	ice		X	X					X			
2.16.26	1057	soil	BH26-10 2'	1,4oz	ice		X	X					X			
2.16.26	1100	soil	BH26-11 0'	1,4oz	ice		X	X					X			
2.16.26	1112	soil	BH26-11 2'	1,4oz	ice		X	X					X			

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Relinquished by: *Sharon Minnix*

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: *Sally Carttar* Via: *CCURV*

Date: 2/17/26 Time: 9:55

Date: 2/18/26 Time: 5:45

Remarks: Direct Bill to Devon Energy ATTN: Jim Raley CC: Sally Carttar (Scarttar@vertexresource.com), Permian@vertexresource.com, and Sharon Minnix (Sminnix@vertexresource.com) for final report.



**Chain-of-Custody Record**

Client: **Vertex (bill to Devon Energy)**

Mailing Address: **3101 Boyd Dr  
Carlsbad, New Mexico 88220**

Phone #: **575.725.5001**

email or Fax#:

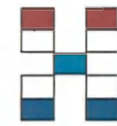
QA/QC Package:  
 Standard       Level 4 (Full Validation)

Turn-Around Time:  
**Push 5 Day Standard TAT**

Project Name:  
**Green Clean Line Leak**

Project #:  
**26A-00738**

Project Manager:  
**Sally Carttar**  
[SCarttar@vertexresource.com](mailto:SCarttar@vertexresource.com)



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Accreditation:  Az Compliance  
 NELAC       Other \_\_\_\_\_

EDD (Type) \_\_\_\_\_

Sampler: **John Rewis**

On Ice:  Yes       No

# of Coolers: **1**

Cooler Temp (including CF): **5.5+0.2 = 5.7**

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH/8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
2.15.26	1355	soil	BH26-06 0'	2,4oz	ice		X	X					X			
2.15.26	1400	soil	BH26-06 2'	2,4oz	ice		X	X					X			
2.15.26	1405	soil	BH26-06 4'	2,4oz	ice		X	X					X			
2.15.26	1410	soil	BH26-06 6'	2,4oz	ice		X	X					X			
2.15.26	1415	soil	BH26-06 8'	2,4oz	ice		X	X					X			
2.15.26	1418	soil	BH26-06 9'	2,4oz	ice		X	X					X			
2.15.26	1140	soil	BH26-07 0'	2,4oz	ice		X	X					X			
2.15.26	1145	soil	BH26-07 2'	2,4oz	ice		X	X					X			

Date: **2/17/26** Time: **8:55** Relinquished by: **Sminnix**

Date: **2/17/26** Time: **1900** Relinquished by: **Sminnix**

Received by: **Sminnix** Date: **2/17/26** Time: **8:55**

Received by: **Viacuria** Date: **2/18/26** Time: **7:45**

Remarks: Direct Bill to Devon Energy ATTN: Jim Raley CC: Sally Carttar (Scarttar@vertexresource.com), Permian@vertexresource.com, and Sharon Minnix (Sminnix@vertexresource.com), for final report.  
**Johnrewis@vertexresource.com**

### Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-43582-1

**Login Number: 43582**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Casarrubias, Tracy**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ms. Sally Carttar  
Vertex  
3101 Boyd Dr  
Carlsbad, New Mexico 88220

Generated 3/19/2026 1:28:48 PM

## JOB DESCRIPTION

Green Clean Line Leak

## JOB NUMBER

885-45282-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

See page two for job notes and contact information.



# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



Generated  
3/19/2026 1:28:48 PM

Authorized for release by  
Andy Freeman, Business Unit Manager  
[andy.freeman@et.eurofinsus.com](mailto:andy.freeman@et.eurofinsus.com)  
(505)345-3975

Client: Vertex  
Project/Site: Green Clean Line Leak

Laboratory Job ID: 885-45282-1



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	7
QC Association Summary . . . . .	9
Lab Chronicle . . . . .	10
Certification Summary . . . . .	11
Chain of Custody . . . . .	12
Receipt Checklists . . . . .	13

## Definitions/Glossary

Client: Vertex

Job ID: 885-45282-1

Project/Site: Green Clean Line Leak

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Vertex  
Project: Green Clean Line Leak

Job ID: 885-45282-1

**Job ID: 885-45282-1**

**Eurofins Albuquerque**

## Job Narrative 885-45282-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

### Receipt

The sample was received on 3/13/2026 8:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°C.

### Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-45282-1

Client Sample ID: TP26-02 11'

Lab Sample ID: 885-45282-1

Date Collected: 03/11/26 09:08

Matrix: Solid

Date Received: 03/13/26 08:00

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/13/26 15:07	03/17/26 06:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			03/13/26 15:07	03/17/26 06:16	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/13/26 15:07	03/17/26 06:16	1
Ethylbenzene	ND		0.049	mg/Kg		03/13/26 15:07	03/17/26 06:16	1
Toluene	ND		0.049	mg/Kg		03/13/26 15:07	03/17/26 06:16	1
Xylenes, Total	ND		0.049	mg/Kg		03/13/26 15:07	03/17/26 06:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		15 - 150			03/13/26 15:07	03/17/26 06:16	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		03/16/26 08:59	03/18/26 15:30	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/16/26 08:59	03/18/26 15:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			03/16/26 08:59	03/18/26 15:30	1

**General Chemistry - Soluble**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	390		50	mg/Kg			03/18/26 09:49	1

### QC Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-45282-1

#### Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-44818/1-A  
 Matrix: Solid  
 Analysis Batch: 44881

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 44818

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		03/13/26 12:40	03/16/26 21:57	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			03/13/26 12:40	03/16/26 21:57	1

Lab Sample ID: LCS 885-44818/2-A  
 Matrix: Solid  
 Analysis Batch: 44881

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 44818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	19.9		mg/Kg		80	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	175		15 - 150				

#### Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-44818/1-A  
 Matrix: Solid  
 Analysis Batch: 44882

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 44818

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/13/26 12:40	03/16/26 21:57	1
Ethylbenzene	ND		0.050	mg/Kg		03/13/26 12:40	03/16/26 21:57	1
Toluene	ND		0.050	mg/Kg		03/13/26 12:40	03/16/26 21:57	1
Xylenes, Total	ND		0.050	mg/Kg		03/13/26 12:40	03/16/26 21:57	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		15 - 150			03/13/26 12:40	03/16/26 21:57	1

Lab Sample ID: LCS 885-44818/3-A  
 Matrix: Solid  
 Analysis Batch: 44882

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 44818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.844		mg/Kg		84	70 - 130
Ethylbenzene	1.00	0.819		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	2.00	1.71		mg/Kg		85	70 - 130
o-Xylene	1.00	0.832		mg/Kg		83	70 - 130
Toluene	1.00	0.826		mg/Kg		83	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	85		15 - 150				

Eurofins Albuquerque

### QC Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-45282-1

#### Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-44877/1-A  
 Matrix: Solid  
 Analysis Batch: 44892

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 44877

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/16/26 08:59	03/16/26 16:20	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/16/26 08:59	03/16/26 16:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			03/16/26 08:59	03/16/26 16:20	1

Lab Sample ID: LCS 885-44877/2-A  
 Matrix: Solid  
 Analysis Batch: 44892

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 44877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	52.7		mg/Kg		105	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	95		62 - 134				

#### Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 885-44928/1-A  
 Matrix: Solid  
 Analysis Batch: 44984

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg			03/17/26 11:27	1

Lab Sample ID: LCS 885-44928/2-A  
 Matrix: Solid  
 Analysis Batch: 44984

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	203	204		mg/Kg		101	-

## QC Association Summary

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-45282-1

## GC VOA

## Prep Batch: 44818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45282-1	TP26-02 11'	Total/NA	Solid	5030C	
MB 885-44818/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-44818/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-44818/3-A	Lab Control Sample	Total/NA	Solid	5030C	

## Analysis Batch: 44881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45282-1	TP26-02 11'	Total/NA	Solid	8015M/D	44818
MB 885-44818/1-A	Method Blank	Total/NA	Solid	8015M/D	44818
LCS 885-44818/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	44818

## Analysis Batch: 44882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45282-1	TP26-02 11'	Total/NA	Solid	8021B	44818
MB 885-44818/1-A	Method Blank	Total/NA	Solid	8021B	44818
LCS 885-44818/3-A	Lab Control Sample	Total/NA	Solid	8021B	44818

## GC Semi VOA

## Prep Batch: 44877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45282-1	TP26-02 11'	Total/NA	Solid	SHAKE	
MB 885-44877/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-44877/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

## Analysis Batch: 44892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-44877/1-A	Method Blank	Total/NA	Solid	8015M/D	44877
LCS 885-44877/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	44877

## Analysis Batch: 45024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45282-1	TP26-02 11'	Total/NA	Solid	8015M/D	44877

## General Chemistry

## Leach Batch: 44928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45282-1	TP26-02 11'	Soluble	Solid	DI Leach	
MB 885-44928/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 885-44928/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

## Analysis Batch: 44984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-44928/1-A	Method Blank	Soluble	Solid	SM 4500 Cl- E	44928
LCS 885-44928/2-A	Lab Control Sample	Soluble	Solid	SM 4500 Cl- E	44928

## Analysis Batch: 45048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45282-1	TP26-02 11'	Soluble	Solid	SM 4500 Cl- E	44928

Eurofins Albuquerque

### Lab Chronicle

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-45282-1

**Client Sample ID: TP26-02 11'**

**Lab Sample ID: 885-45282-1**

Date Collected: 03/11/26 09:08

Matrix: Solid

Date Received: 03/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44818	JP	EET ALB	03/13/26 15:07
Total/NA	Analysis	8015M/D		1	44881	VP	EET ALB	03/17/26 06:16
Total/NA	Prep	5030C			44818	JP	EET ALB	03/13/26 15:07
Total/NA	Analysis	8021B		1	44882	VP	EET ALB	03/17/26 06:16
Total/NA	Prep	SHAKE			44877	DR	EET ALB	03/16/26 08:59
Total/NA	Analysis	8015M/D		1	45024	EM	EET ALB	03/18/26 15:30
Soluble	Leach	DI Leach			44928	MS	EET ALB	03/16/26 15:03
Soluble	Analysis	SM 4500 Cl- E		1	45048	MS	EET ALB	03/18/26 09:49

**Laboratory References:**

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975



### Accreditation/Certification Summary

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-45282-1

#### Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425	02-25-26 *

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
SM 4500 Cl- E		Solid	Chloride

Oregon	NELAP	NM100001	02-25-27
--------	-------	----------	----------

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 Cl- E		Solid	Chloride

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.



### Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-45282-1

**Login Number: 45282**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Casarrubias, Tracy**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ms. Sally Carttar  
Vertex  
3101 Boyd Dr  
Carlsbad, New Mexico 88220

Generated 3/31/2026 9:17:46 AM

## JOB DESCRIPTION

Green Clean Line Leak

## JOB NUMBER

885-45910-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

See page two for job notes and contact information.



# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



Generated  
3/31/2026 9:17:46 AM

Authorized for release by  
Andy Freeman, Business Unit Manager  
[andy.freeman@et.eurofinsus.com](mailto:andy.freeman@et.eurofinsus.com)  
(505)345-3975

Client: Vertex  
Project/Site: Green Clean Line Leak

Laboratory Job ID: 885-45910-1



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	10
QC Association Summary . . . . .	13
Lab Chronicle . . . . .	15
Certification Summary . . . . .	17
Chain of Custody . . . . .	18
Receipt Checklists . . . . .	19

## Definitions/Glossary

Client: Vertex

Job ID: 885-45910-1

Project/Site: Green Clean Line Leak

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Vertex  
Project: Green Clean Line Leak

Job ID: 885-45910-1

**Job ID: 885-45910-1**

**Eurofins Albuquerque**

## Job Narrative 885-45910-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

### Receipt

The samples were received on 3/25/2026 7:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

### Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-45910-1

Client Sample ID: BH26-12 0'

Lab Sample ID: 885-45910-1

Date Collected: 03/23/26 10:53

Matrix: Solid

Date Received: 03/25/26 07:45

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		03/26/26 15:26	03/30/26 12:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 150			03/26/26 15:26	03/30/26 12:16	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/26/26 15:26	03/30/26 12:16	1
Ethylbenzene	ND		0.047	mg/Kg		03/26/26 15:26	03/30/26 12:16	1
Toluene	ND		0.047	mg/Kg		03/26/26 15:26	03/30/26 12:16	1
Xylenes, Total	ND		0.047	mg/Kg		03/26/26 15:26	03/30/26 12:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			03/26/26 15:26	03/30/26 12:16	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		03/27/26 09:00	03/28/26 13:21	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/27/26 09:00	03/28/26 13:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			03/27/26 09:00	03/28/26 13:21	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		03/27/26 12:58	03/27/26 17:25	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-45910-1

**Client Sample ID: BH26-12 2'**

**Lab Sample ID: 885-45910-2**

Date Collected: 03/23/26 10:57

Matrix: Solid

Date Received: 03/25/26 07:45

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		03/26/26 15:26	03/30/26 12:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			03/26/26 15:26	03/30/26 12:39	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/26/26 15:26	03/30/26 12:39	1
Ethylbenzene	ND		0.047	mg/Kg		03/26/26 15:26	03/30/26 12:39	1
Toluene	ND		0.047	mg/Kg		03/26/26 15:26	03/30/26 12:39	1
Xylenes, Total	ND		0.047	mg/Kg		03/26/26 15:26	03/30/26 12:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			03/26/26 15:26	03/30/26 12:39	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		03/27/26 09:00	03/28/26 13:44	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/27/26 09:00	03/28/26 13:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			03/27/26 09:00	03/28/26 13:44	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		03/27/26 12:58	03/27/26 17:57	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-45910-1

Client Sample ID: BH26-13 0'

Lab Sample ID: 885-45910-3

Date Collected: 03/23/26 11:10

Matrix: Solid

Date Received: 03/25/26 07:45

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		03/26/26 15:26	03/30/26 13:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			03/26/26 15:26	03/30/26 13:03	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/26/26 15:26	03/30/26 13:03	1
Ethylbenzene	ND		0.048	mg/Kg		03/26/26 15:26	03/30/26 13:03	1
Toluene	ND		0.048	mg/Kg		03/26/26 15:26	03/30/26 13:03	1
Xylenes, Total	ND		0.048	mg/Kg		03/26/26 15:26	03/30/26 13:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			03/26/26 15:26	03/30/26 13:03	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		03/27/26 09:00	03/28/26 14:07	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/27/26 09:00	03/28/26 14:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			03/27/26 09:00	03/28/26 14:07	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		03/27/26 12:58	03/27/26 18:30	10

### Client Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-45910-1

Client Sample ID: BH26-13 2'

Lab Sample ID: 885-45910-4

Date Collected: 03/23/26 11:15

Matrix: Solid

Date Received: 03/25/26 07:45

**Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		03/26/26 15:26	03/30/26 13:27	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	106		15 - 150			03/26/26 15:26	03/30/26 13:27	1

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/26/26 15:26	03/30/26 13:27	1
Ethylbenzene	ND		0.046	mg/Kg		03/26/26 15:26	03/30/26 13:27	1
Toluene	ND		0.046	mg/Kg		03/26/26 15:26	03/30/26 13:27	1
Xylenes, Total	ND		0.046	mg/Kg		03/26/26 15:26	03/30/26 13:27	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	103		15 - 150			03/26/26 15:26	03/30/26 13:27	1

**Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		03/27/26 09:00	03/28/26 14:31	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/27/26 09:00	03/28/26 14:31	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Di-n-octyl phthalate (Surr)	74		62 - 134			03/27/26 09:00	03/28/26 14:31	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		03/27/26 12:58	03/27/26 18:41	10

### QC Sample Results

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-45910-1

#### Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-45592/1-A  
Matrix: Solid  
Analysis Batch: 45722

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 45592

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		03/26/26 15:26	03/30/26 09:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150	03/26/26 15:26	03/30/26 09:29	1

Lab Sample ID: LCS 885-45592/2-A  
Matrix: Solid  
Analysis Batch: 45722

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 45592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.3		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	205		15 - 150

#### Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-45592/1-A  
Matrix: Solid  
Analysis Batch: 45723

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 45592

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/26/26 15:26	03/30/26 09:29	1
Ethylbenzene	ND		0.050	mg/Kg		03/26/26 15:26	03/30/26 09:29	1
Toluene	ND		0.050	mg/Kg		03/26/26 15:26	03/30/26 09:29	1
Xylenes, Total	ND		0.050	mg/Kg		03/26/26 15:26	03/30/26 09:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150	03/26/26 15:26	03/30/26 09:29	1

Lab Sample ID: LCS 885-45592/3-A  
Matrix: Solid  
Analysis Batch: 45723

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 45592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.846		mg/Kg		85	70 - 130
Ethylbenzene	1.00	0.886		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	2.00	1.66		mg/Kg		83	70 - 130
o-Xylene	1.00	0.811		mg/Kg		81	70 - 130
Toluene	1.00	0.925		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		15 - 150

Eurofins Albuquerque

### QC Sample Results

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-45910-1

#### Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-45625/1-A  
Matrix: Solid  
Analysis Batch: 45538

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 45625

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/27/26 09:00	03/28/26 11:48	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/27/26 09:00	03/28/26 11:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134	03/27/26 09:00	03/28/26 11:48	1

Lab Sample ID: LCS 885-45625/2-A  
Matrix: Solid  
Analysis Batch: 45538

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 45625

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	52.5		mg/Kg		105	51 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	75		62 - 134

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-45657/1-A  
Matrix: Solid  
Analysis Batch: 45660

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 45657

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		4.9	mg/Kg		03/27/26 12:58	03/27/26 17:03	1

Lab Sample ID: LCS 885-45657/2-A  
Matrix: Solid  
Analysis Batch: 45660

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 45657

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.8	51.1		mg/Kg		101	90 - 110

Lab Sample ID: 885-45910-1 MS  
Matrix: Solid  
Analysis Batch: 45660

Client Sample ID: BH26-12 0'  
Prep Type: Total/NA  
Prep Batch: 45657

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		49.3	53.4		mg/Kg		108	50 - 150

Lab Sample ID: 885-45910-1 MSD  
Matrix: Solid  
Analysis Batch: 45660

Client Sample ID: BH26-12 0'  
Prep Type: Total/NA  
Prep Batch: 45657

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		50.7	57.4		mg/Kg		NC	50 - 150	7	20

Eurofins Albuquerque

### QC Sample Results

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-45910-1

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-45910-2 MS  
 Matrix: Solid  
 Analysis Batch: 45660

Client Sample ID: BH26-12 2'  
 Prep Type: Total/NA  
 Prep Batch: 45657

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		50.5	58.8		mg/Kg		NC	50 - 150

Lab Sample ID: 885-45910-2 MSD  
 Matrix: Solid  
 Analysis Batch: 45660

Client Sample ID: BH26-12 2'  
 Prep Type: Total/NA  
 Prep Batch: 45657

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		50.5	59.3		mg/Kg		NC	50 - 150	1	20

## QC Association Summary

Client: Vertex  
Project/Site: Green Clean Line Leak

Job ID: 885-45910-1

## GC VOA

## Prep Batch: 45592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45910-1	BH26-12 0'	Total/NA	Solid	5030C	
885-45910-2	BH26-12 2'	Total/NA	Solid	5030C	
885-45910-3	BH26-13 0'	Total/NA	Solid	5030C	
885-45910-4	BH26-13 2'	Total/NA	Solid	5030C	
MB 885-45592/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-45592/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-45592/3-A	Lab Control Sample	Total/NA	Solid	5030C	

## Analysis Batch: 45722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45910-1	BH26-12 0'	Total/NA	Solid	8015M/D	45592
885-45910-2	BH26-12 2'	Total/NA	Solid	8015M/D	45592
885-45910-3	BH26-13 0'	Total/NA	Solid	8015M/D	45592
885-45910-4	BH26-13 2'	Total/NA	Solid	8015M/D	45592
MB 885-45592/1-A	Method Blank	Total/NA	Solid	8015M/D	45592
LCS 885-45592/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	45592

## Analysis Batch: 45723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45910-1	BH26-12 0'	Total/NA	Solid	8021B	45592
885-45910-2	BH26-12 2'	Total/NA	Solid	8021B	45592
885-45910-3	BH26-13 0'	Total/NA	Solid	8021B	45592
885-45910-4	BH26-13 2'	Total/NA	Solid	8021B	45592
MB 885-45592/1-A	Method Blank	Total/NA	Solid	8021B	45592
LCS 885-45592/3-A	Lab Control Sample	Total/NA	Solid	8021B	45592

## GC Semi VOA

## Analysis Batch: 45538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45910-1	BH26-12 0'	Total/NA	Solid	8015M/D	45625
885-45910-2	BH26-12 2'	Total/NA	Solid	8015M/D	45625
885-45910-3	BH26-13 0'	Total/NA	Solid	8015M/D	45625
885-45910-4	BH26-13 2'	Total/NA	Solid	8015M/D	45625
MB 885-45625/1-A	Method Blank	Total/NA	Solid	8015M/D	45625
LCS 885-45625/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	45625

## Prep Batch: 45625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45910-1	BH26-12 0'	Total/NA	Solid	SHAKE	
885-45910-2	BH26-12 2'	Total/NA	Solid	SHAKE	
885-45910-3	BH26-13 0'	Total/NA	Solid	SHAKE	
885-45910-4	BH26-13 2'	Total/NA	Solid	SHAKE	
MB 885-45625/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-45625/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

## HPLC/IC

## Prep Batch: 45657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45910-1	BH26-12 0'	Total/NA	Solid	300_Prep	
885-45910-2	BH26-12 2'	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

### QC Association Summary

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-45910-1

#### HPLC/IC (Continued)

##### Prep Batch: 45657 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45910-3	BH26-13 0'	Total/NA	Solid	300_Prep	
885-45910-4	BH26-13 2'	Total/NA	Solid	300_Prep	
MB 885-45657/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-45657/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-45910-1 MS	BH26-12 0'	Total/NA	Solid	300_Prep	
885-45910-1 MSD	BH26-12 0'	Total/NA	Solid	300_Prep	
885-45910-2 MS	BH26-12 2'	Total/NA	Solid	300_Prep	
885-45910-2 MSD	BH26-12 2'	Total/NA	Solid	300_Prep	

##### Analysis Batch: 45660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-45910-1	BH26-12 0'	Total/NA	Solid	300.0	45657
885-45910-2	BH26-12 2'	Total/NA	Solid	300.0	45657
885-45910-3	BH26-13 0'	Total/NA	Solid	300.0	45657
885-45910-4	BH26-13 2'	Total/NA	Solid	300.0	45657
MB 885-45657/1-A	Method Blank	Total/NA	Solid	300.0	45657
LCS 885-45657/2-A	Lab Control Sample	Total/NA	Solid	300.0	45657
885-45910-1 MS	BH26-12 0'	Total/NA	Solid	300.0	45657
885-45910-1 MSD	BH26-12 0'	Total/NA	Solid	300.0	45657
885-45910-2 MS	BH26-12 2'	Total/NA	Solid	300.0	45657
885-45910-2 MSD	BH26-12 2'	Total/NA	Solid	300.0	45657

### Lab Chronicle

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-45910-1

**Client Sample ID: BH26-12 0'**

**Lab Sample ID: 885-45910-1**

Date Collected: 03/23/26 10:53

Matrix: Solid

Date Received: 03/25/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			45592	JP	EET ALB	03/26/26 15:26
Total/NA	Analysis	8015M/D		1	45722	VP	EET ALB	03/30/26 12:16
Total/NA	Prep	5030C			45592	JP	EET ALB	03/26/26 15:26
Total/NA	Analysis	8021B		1	45723	VP	EET ALB	03/30/26 12:16
Total/NA	Prep	SHAKE			45625	DR	EET ALB	03/27/26 09:00
Total/NA	Analysis	8015M/D		1	45538	EM	EET ALB	03/28/26 13:21
Total/NA	Prep	300_Prep			45657	EH	EET ALB	03/27/26 12:58
Total/NA	Analysis	300.0		10	45660	EH	EET ALB	03/27/26 17:25

**Client Sample ID: BH26-12 2'**

**Lab Sample ID: 885-45910-2**

Date Collected: 03/23/26 10:57

Matrix: Solid

Date Received: 03/25/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			45592	JP	EET ALB	03/26/26 15:26
Total/NA	Analysis	8015M/D		1	45722	VP	EET ALB	03/30/26 12:39
Total/NA	Prep	5030C			45592	JP	EET ALB	03/26/26 15:26
Total/NA	Analysis	8021B		1	45723	VP	EET ALB	03/30/26 12:39
Total/NA	Prep	SHAKE			45625	DR	EET ALB	03/27/26 09:00
Total/NA	Analysis	8015M/D		1	45538	EM	EET ALB	03/28/26 13:44
Total/NA	Prep	300_Prep			45657	EH	EET ALB	03/27/26 12:58
Total/NA	Analysis	300.0		10	45660	EH	EET ALB	03/27/26 17:57

**Client Sample ID: BH26-13 0'**

**Lab Sample ID: 885-45910-3**

Date Collected: 03/23/26 11:10

Matrix: Solid

Date Received: 03/25/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			45592	JP	EET ALB	03/26/26 15:26
Total/NA	Analysis	8015M/D		1	45722	VP	EET ALB	03/30/26 13:03
Total/NA	Prep	5030C			45592	JP	EET ALB	03/26/26 15:26
Total/NA	Analysis	8021B		1	45723	VP	EET ALB	03/30/26 13:03
Total/NA	Prep	SHAKE			45625	DR	EET ALB	03/27/26 09:00
Total/NA	Analysis	8015M/D		1	45538	EM	EET ALB	03/28/26 14:07
Total/NA	Prep	300_Prep			45657	EH	EET ALB	03/27/26 12:58
Total/NA	Analysis	300.0		10	45660	EH	EET ALB	03/27/26 18:30

**Client Sample ID: BH26-13 2'**

**Lab Sample ID: 885-45910-4**

Date Collected: 03/23/26 11:15

Matrix: Solid

Date Received: 03/25/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			45592	JP	EET ALB	03/26/26 15:26
Total/NA	Analysis	8015M/D		1	45722	VP	EET ALB	03/30/26 13:27

Eurofins Albuquerque

### Lab Chronicle

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-45910-1

**Client Sample ID: BH26-13 2'**

**Lab Sample ID: 885-45910-4**

Date Collected: 03/23/26 11:15

Matrix: Solid

Date Received: 03/25/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			45592	JP	EET ALB	03/26/26 15:26
Total/NA	Analysis	8021B		1	45723	VP	EET ALB	03/30/26 13:27
Total/NA	Prep	SHAKE			45625	DR	EET ALB	03/27/26 09:00
Total/NA	Analysis	8015M/D		1	45538	EM	EET ALB	03/28/26 14:31
Total/NA	Prep	300_Prep			45657	EH	EET ALB	03/27/26 12:58
Total/NA	Analysis	300.0		10	45660	EH	EET ALB	03/27/26 18:41

**Laboratory References:**

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975



### Accreditation/Certification Summary

Client: Vertex  
 Project/Site: Green Clean Line Leak

Job ID: 885-45910-1

#### Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425	02-25-26 *
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-25-27

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.



### Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-45910-1

**Login Number: 45910**

**List Number: 1**

**Creator: Casarrubias, Tracy**

**List Source: Eurofins Albuquerque**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



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 576359

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 576359
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2602229583
Incident Name	NAPP2602229583 GREEN CLEAN LINE LEAK @ D-35-23S-33E 105N 471E
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	Green Clean Line Leak
Date Release Discovered	01/19/2026
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pump   Produced Water   Released: 132 BBL   Recovered: 16 BBL   Lost: 116 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)	Pump on layflat line developed leak. Allowing fluids to be released to ROW. Major notification email sent to M.Bratcher, R. Romero on 1/19/2026

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, Page 2

Action 576359

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 576359
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>

*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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 04/16/2026
--	--

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, Page 3

Action 576359

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 576359
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

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

Chloride (EPA 300.0 or SM4500 Cl B)	4600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
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	05/15/2026
On what date will (or did) the final sampling or liner inspection occur	08/15/2026
On what date will (or was) the remediation complete(d)	08/15/2026
What is the estimated surface area (in square feet) that will be reclaimed	8586
What is the estimated volume (in cubic yards) that will be reclaimed	1274
What is the estimated surface area (in square feet) that will be remediated	8586
What is the estimated volume (in cubic yards) that will be remediated	1274

*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.*

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, Page 4

Action 576359

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 576359
	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 <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	<a href="#">fEEM0112342028 LEA LAND LANDFILL</a>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> 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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 04/16/2026
--	--

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.

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 576359

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 576359
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

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

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, Page 6

Action 576359

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 576359
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	{Unavailable.}

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

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

Action 576359

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 576359
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**CONDITIONS**

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. Please, include in the closure report the driller's log for the borehole for depth to groundwater determination. The SE Area of Interest requires more vertical delineation. Please complete additional delineation samples in this area. Also, investigate and report on the feature found at 32.2672,-103.5471 and its proximity to the areas of interest. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. Work will need to occur in 90 days after the work plan has been reviewed.	5/5/2026