



April 22, 2025

Devon Energy Production Company, LP
333 West Sheridan Ave.
Oklahoma City, OK 73102

Attn: New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico, NM 87505

RE: **Remediation Action Plan (RAP)**
Devon Energy Production Company, LP
Longview Deep Federal 1-#021H
NMOCD I.D. # nAPP2420035294
Unit 4, Section 1, Township 23 South, Range 28 East
32.33867°, -104.04529°
Eddy County, New Mexico
Terracon Project No. KH247040

To Whom It May Concern:

Terracon Consultants, Inc. (Terracon) is pleased to submit our Remediation Action Plan (RAP) on behalf of Devon Energy Production Company, LP (Devon) for the site referenced above. The scope of services was developed in accordance with the New Mexico Oil Conservation Division (NMOCD) regulations (19.15.29 NMAC). The below sections detail Terracon's proposed RAP in response to the produced water release at the site referenced above.

Chronology of Events

Terracon submitted a Release Investigation and Closure Report Dated September 13, 2024. On September 25, 2024, the NMOCD denied the closure report for the following reason:

- **The release site is less than 300 feet from a wetland. Per 19.15.29.12C(4)(e) If a release occurs within 300 feet of a wetland, the responsible party must treat the release as if it occurred less than 50 feet to ground water in Table 1 of 19.15.29.12 NMAC.**

In response to this denial, Terracon identified a wetland survey conducted by SWCA which presented field-based evidence by a wetland biologist that the feature in question did not meet the criteria of a wetland. This information was provided to NMOCD in an OCD Closure Denial Response and Amended Closure Report dated October 29, 2024. NMOCD responded in an email dated December 20, 2024 denying application ID # 384272 which requested approval of the release notification and corrective action (C-141), for incident ID # nAPP2420035294 for the reasons stated below. The first issue identified was related to the presence of a wetland identified as PEM1A in the National Wetlands Inventory Mapper. Terracon investigated this issue with field work and correspondence with the US Fish and

Explore with us

Devon Energy Production Company, LP
Remediation Action Plan
Longview Deep Federal 1-#021H
Terracon Project No. KH247040



Wildlife Service (FWS). Terracon submitted a Closure Criteria Variance Request dated March 27, 2025. The OCD correspondence and results of our investigation into this feature are described below:

- ***scott.rodgers (12/20/2024), The OCD uses the National Wetland Inventory Mapper to determine if an incident is located within or in close proximity to a wetland. Please show correspondence with the administrators of the National Wetland Inventory Mapper or the U.S. Fish and Wildlife Service to verify that the spill is not in close proximity to a wetland. Please complete a sampling notification, collect confirmation samples, provide the correspondence asked above and resubmit the Remediation Closure Report by 03/20/2025.***

- Terracon contacted the U.S. Fish and Wildlife Service (FWS) via email regarding the wetland area located to the west of incident nAPP2420035294. Mr. Gary Hunt with the FWS responded stating "After reviewing current available aerial imagery, and as well as the data provided. It is my opinion the feature in question (PEM1A located near 32.338294, -104.046037) is no longer present. The placement of Right of Ways passing over the feature have disrupted its ability to maintain surface water that can be identified as a wetland feature using NWI mapping procedures. The National Wetlands Inventory is not a regulatory agency. Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. Entities should not rely solely on this inventory for current wetland status. Modern aerial imagery and on-the-ground investigations may supersede data appearing on the online NWI Wetlands Mapper. For Federally-based jurisdictional determinations, the U.S. Army Corps of Engineers should be consulted. On the State level you should consult with the NMED Surface Water Quality Bureau for more information".

The email correspondence from FWS was attached to the Closure Criteria Variance Request. In addition, as stated in Terracon's denial response report dated October 29, 2024, a Wetlands Reconnaissance Survey dated March 6, 2020, was conducted by SWCA Environmental Consultants. The survey concluded that the area located to the west of incident nAPP2420035294 does not meet the U.S. Army Corps of Engineers (USACE) definition of a wetland. The report and related data from the Wetland Reconnaissance Survey for Longview Deep Federal 1-#021H was attached (SWCA Environmental Wetland Survey Report).

- ***scott.rodgers (12/20/2024), The Closure Report is Denied. Confirmation soil samples must consist of five-point composite samples from the side***

Devon Energy Production Company, LP
Remediation Action Plan
Longview Deep Federal 1-#021H
Terracon Project No. KH247040



wall and base and individual grab samples from any wet or discolored areas, representing a surface area of no more than 200 ft² unless otherwise approved. Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC

- Terracon on behalf of Devon, will submit a Remediation Action Plan (RAP) for approval after clarification of the closure criteria applicable for this location.

The NMOCD subsequently approved the variance request in an email dated April 3, 2025, stating: *"The site characterization variance request for NAPP2420035294 is approved. The OCD accepts the findings of this Wetland Inventory and the email response from the US Fish and Wildlife Service"*.

Action Items

Proposed Actions

- 1) Terracon will prepare any necessary Right of Entry (ROE) permits needed for the site, following the approval of this RAP.
- 2) Excavate and delineate the inferred release area to the extent required to attain the NMOCD RAL's, dispose of the affected material at an approved facility and backfill the excavation with suitable fill material.
- 3) Terracon will conduct 5-point confirmation sampling on a 200 square feet interval of the inferred release area after completion of the remedial activities. This work will take approximately five to ten days to execute following the execution of the approved RAP.
- 4) Remediation timeline is dependent on the lateral and vertical extent of constituents encountered during the excavation that are present above the NMOCD Remediation Action Levels (RALs) as detailed below.

Terracon appreciates this opportunity to provide environmental services to Devon Energy Production Company, LP. Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Terracon Consultants, Inc.

A handwritten signature in black ink, appearing to be 'C. Smith'.

Charles F. Smith
Senior Project Manager
Lubbock, TX

A handwritten signature in black ink, appearing to be 'John Grams'.

John Grams, P.G. (TX)
Senior Geologist
Lubbock, TX



TABLE OF CONTENTS

Table of Contents

Section 1 – Site Information.....	2
Section 2 – General Site Characteristics and History.....	2
Section 3 – Regulatory Framework and Response Action Levels	3
Section 4 – Site Assessment/Delineation.....	3
Section 5 – Remediation.....	4

Attachments:

Appendix A – Exhibits

- Exhibit 1 – Topographic Map
- Exhibit 2 – Site Location Map
- Exhibit 3 – Boring Location Map
- Exhibit 4 – Wetland Area Map
- Exhibit 5 – Cave Karst Public UCP Map
- Exhibit 6 – Composite Sample Location Map
- Exhibit 7 – Excavation Area Map

Appendix B – Tables and Attachments

- Table 1 – Laboratory Analytical Results
- Attachment 1 – Trinity Oilfield Services Boring Log
- Attachment 2 – Laboratory Analytical Report

Appendix C – Terracon Standard of Care, Limitation, and Reliance

Devon Energy Production Company, LP
 Remediation Action Plan
 Longview Deep Federal 1-#021H
 Terracon Project No. KH247040



Section 1 – Site Information

The following table provides detailed information regarding the Reclamation information for the on-pad produced water release at the Longview Deep Federal 1-#021H site in Eddy County, New Mexico:

Required Information	Site and Release information	
Responsible Party:	The site is operated by Devon Energy Production Company, LP. OGRID #: 6137	
Local Contact:	Contact: Mr. Jim Raley	P: (575) 689-7597 E: jim.raley@dvn.com
Site Name API #	Longview Deep Federal 1-#021H 30-015-40651	
Facility Description:	Longview Deep Federal 1-#021H, Incident No. nAPP2420035294 is a well location located in Eddy County, New Mexico. It is an area located within Unit 4, Section 1, Township 23 South, Range 28 East, approximately 4.74 miles northeast of Loving, New Mexico. The area around the site is predominantly undeveloped native Federal-owned pastureland. A Topographic Map and Site location Map are included in Appendix A, Exhibit 1, and Exhibit 2, respectively.	
Lease #	NMNM91078	
Lessee:	Devon Energy Production Company, LP	
NMOCD Incidents:	Oil was leaking from a stuffing box onto the pad.	
Type of Discharge:	Produced Water & Crude Oil / Incident ID No: nAPP2420035294	
Quantity Spilled:	Total Fluids: 14.8 bbls	Volume recovered: 3 bbls
Site Characteristics:	Relatively flat with drainage following the natural ground surface; sloping very gently southerly.	
Immediate Corrective Actions:	The Initial C-141 Form stated Closed BOP rams to stop leak. Packing replaced on well. Trucks dispatched for recovery, 3 bbls recovered.	

Section 2 – General Site Characteristics and History

Physical Characteristic	Site Ranking Characteristics
Groundwater Boring Location Map (Appendix A, Exhibit 3)	<u>Boring Information:</u> (C-4609 POD 1 SB-1) <u>Depth of Well:</u> 51 ft. bgs <u>Depth to Water:</u> >50 ft. bgs <u>Distance to Well:</u> 0.13 miles to the north <u>Date Drilled:</u> April 26, 2022. Boring log included as Appendix B, Attachment 1.

Devon Energy Production Company, LP
Remediation Action Plan
Longview Deep Federal 1-#021H
Terracon Project No. KH247040



Physical Characteristic	Site Ranking Characteristics
	<u>Groundwater Quality</u> : Groundwater in the area of the site is predominately for domestic use.
Surface Water Wetland Area Map (Appendix A, Exhibit 4)	The Pecos River is 1.04 miles southwest. There are no lakebeds, sink holes or playa lake identified within 200 feet. There are no wetlands identified within 300 feet.
100-Year Flood Plain	This site is located outside of the 100-year flood plain.
Karst Characterization Cave Karst Public UCP Map – (Appendix A, Exhibit 5)	A review of the geospatial data obtained from the Bureau of Land Management (BLM) Carlsbad Field Office website indicated that the site is within an area of medium risk for Karst formations, as indicated in the Cave Karst Public UCP Map (Appendix A, Exhibit 5).

Section 3 – Regulatory Framework and Response Action Levels

Oil and gas exploration and production facilities in New Mexico are generally regulated by the New Mexico Oil Conservation Division (NMOCD). Standards governing the remediation and reclamation of sites impacted by releases from oil and gas exploration and production activities are contained in 19.15.29 NMAC.

Section 3.1 – Reclamation and Remediation Levels (Surface to 4 ft. bgs)

The below Reclamation Limits for BTEX (includes benzene, toluene, ethylbenzene, and xylenes), and benzene, chlorides and TPH (GRO+DRO+MRO), are defined within New Mexico Administration Code (NMAC) 19.15.29.12) for soils extending from surface to 4 ft. bgs.:

Parameters	Closure Criteria	Analytical Method
Total Benzene, Toluene, Ethylbenzene and Xylenes (Total BTEX)	50 mg/kg	EPA Method 8021B
Benzene	10 mg/kg	EPA Method 8021B
Chlorides	10,000 mg/kg	EPA Method 300
Total Petroleum Hydrocarbons (TPH) GRO, DRO and MRO	2,500 mg/kg	EPA Method 8015M
TPH (GRO+DRO)	1,000 mg/kg	EPA Method 8015M

Section 4 – Site Assessment/Delineation

Site Assessment/Delineation

As stated in the report submitted to the NMOCD dated September 13, 2024, on July 22, 2024 to August 19, 2024, Terracon personnel collected 29 soil samples from 21 locations (DSH-01 through DSV-13 and DSV-01 through DSV-08). The soil samples were collected using a hand auger from depths ranging from 0.5-foot bgs to 8.0-foot bgs. The soil samples collected were submitted for analysis of BTEX, Chloride and TPH. BTEX, Chloride and TPH were not detected above the NMOCD RAL's.

Devon Energy Production Company, LP
Remediation Action Plan
Longview Deep Federal 1-#021H
Terracon Project No. KH247040



In response to the NMOCD denial, on February 28, 2025, Terracon returned to the site to collect composite samples. A total of 54 composite soil samples were collected from 54 locations (CS-01 through CS-54). The soil samples were collected using a hand auger at a depth of 0.5-feet bgs. The soil samples collected were submitted for analysis of BTEX, Chloride and TPH. BTEX and TPH was not detected above the NMOCD RAL's in 26 of the samples collected. Chloride was not detected above the NMOCD RAL's in 51 of the soil samples collected. BTEX and TPH was detected at levels above the NMOCD RAL's in 25 of the soil samples collected ranging from 1,090 milligrams per kilogram (mg/kg) in soil sample CS-15 (0.5 ft) to 33,830 mg/kg in soil sample CS-51 (0.5 ft). Chloride was detected at levels above the NMOCD RAL's in 3 soil samples collected at concentrations ranging from 16,400 mg/kg in soil sample CS-30 (0.5 ft) to 27,600 mg/kg in soil sample CS-49 (0.5 ft). The sample locations are depicted on the Composite Sample Location Map included in Appendix A, Exhibit 6. The analytical results are tabulated and included in Appendix B, Table 1 and the laboratory analytical report along with the Chain of Custody are included in Appendix B, Attachment 2.

Section 5 – Remediation

Proposed Remediation Technique

Devon proposes to remediate the site by excavating material that exceeds NMOCD RAL's. Additional soil delineation will occur during the remedial activities to confirm material remaining in place does not exceed the NMOCD RAL's. An area estimated at 4,938 square feet (sq. ft.) will be excavated to a depth of between 2-feet to 4-feet bgs, estimated at between 366 cubic yards (cu. yds.) to 732 cu. yds. The excavated material will be stockpiled on site and on plastic pending disposal at an approved facility. Five-point composite closure samples will be collected from the floor of the excavation on 200 square foot intervals and the walls of the excavation on 200 linear foot intervals. Once the closure criteria are attained, the excavation will be backfilled with suitable fill material. A sample of the backfill material will be collected and analyzed for BTEX, Chloride and TPH to evaluate suitability. An Excavation Area Map depicting the sample locations and excavation areas is included in Appendix A, Exhibit 7.

Proposed Remediation Timeline

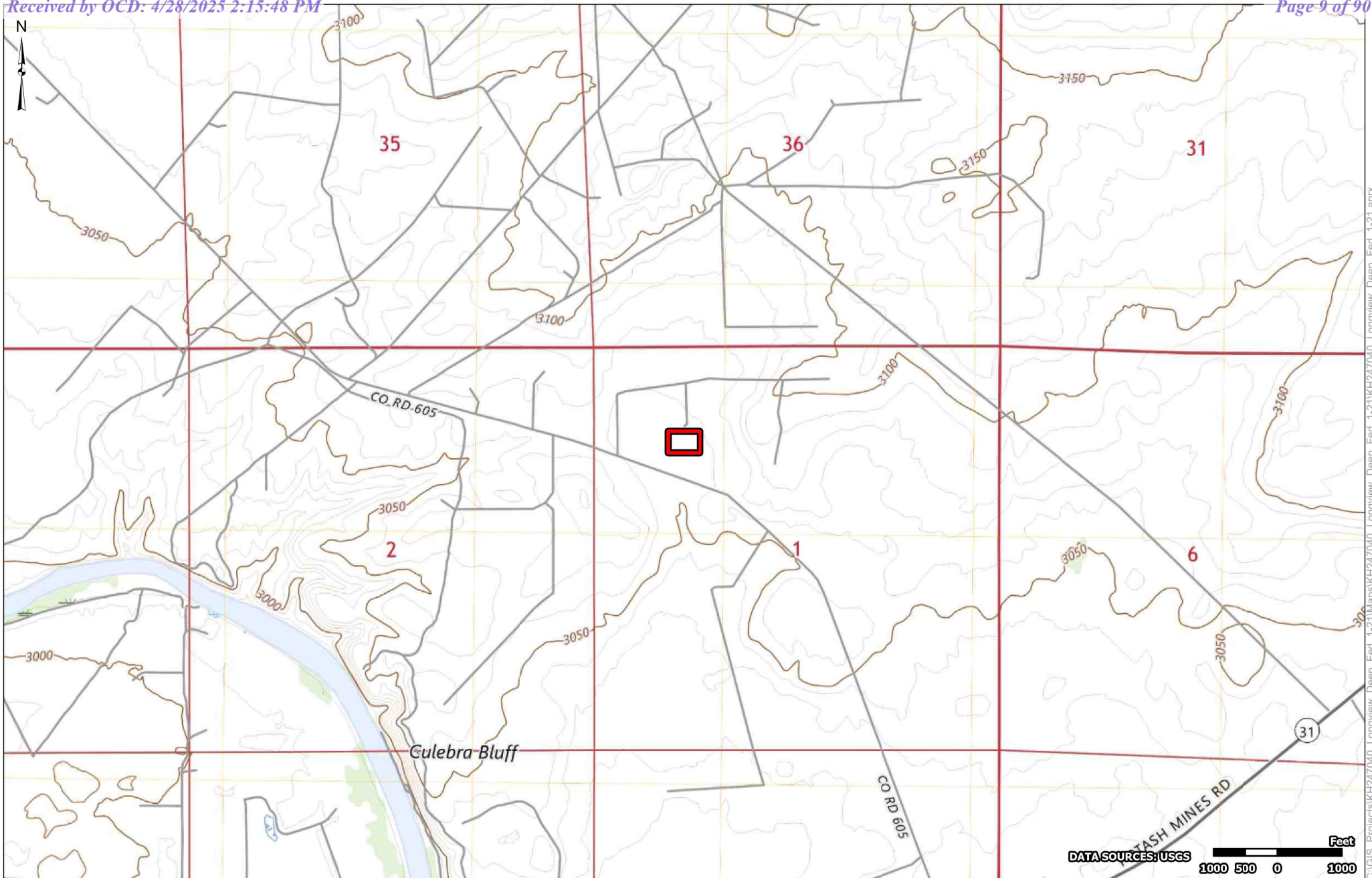
The proposed timeline for remediation activities is dependent upon the approval of the RAP. The remediation is estimated to be completed in 5 to 10 days.

Upon completion of the remedial activities, Terracon will submit a Closure Report. Terracon's Standard of Care, Limitations and Reliance is included as Appendix C.



APPENDIX A – EXHIBITS

Explore with us



DATA SOURCE: USGS
1000 500 0 1000 Feet



Site Boundary

Project No.:
KH247040
Date:
Aug 14 2024
Drawn By:
JWL
Reviewed By:
JRG

Terracon
4526 W Pierce St
Carlsbad, NM
PH. 806-300-0140 terracon.com

Topographic Map

Longview Deep 1-21H
Devon Energy Corp
32.338294, -104.046037
Carlsbad, Eddy County, New Mexico

Exhibit

1



DATA SOURCES: Bing

80 40 0 80

Feet




 Site Boundary

Project No.:
KH247040

Date:
Aug 14 2024

Drawn By:
JWL

Reviewed By:
JRG



4526 W Pierce St
Carlsbad, NM

PH. 806-300-0140 terracon.com

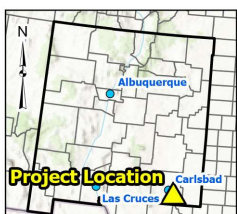
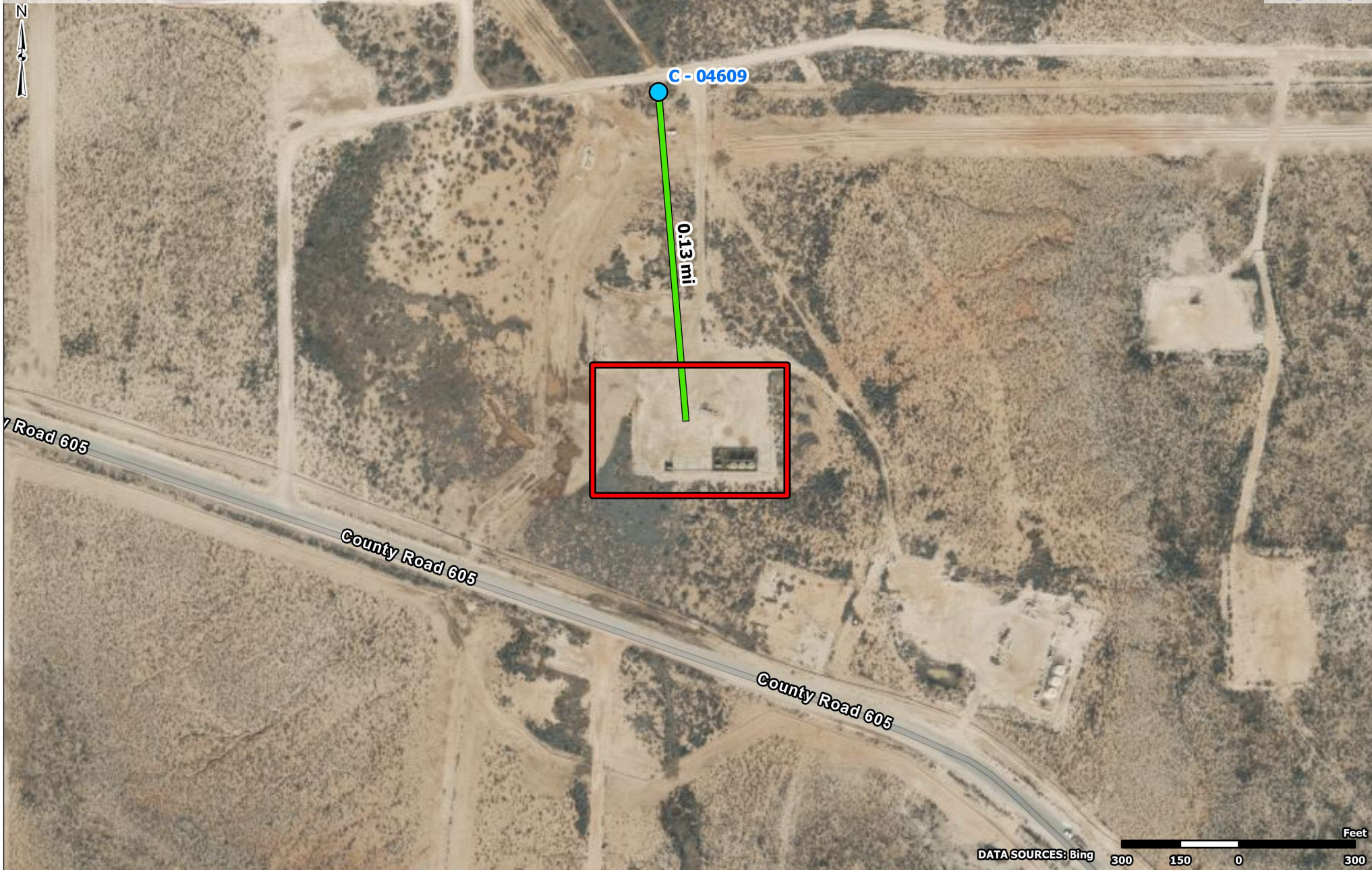
Site Location Map


Longview Deep 1-21H
Devon Energy Corp
32.338294, -104.046037
Carlsbad, Eddy County, New Mexico

Exhibit


2

C:\GIS\Projects\KH247040_Longview_Deep_Fed_1-21\Maps\KH247040_Longview_Deep_Fed_1-21.aprx



-  Site Boundary
-  NMOSE POD Location

Project No.:
KH247040
Date:
Aug 14 2024
Drawn By:
JWL
Reviewed By:
JRG

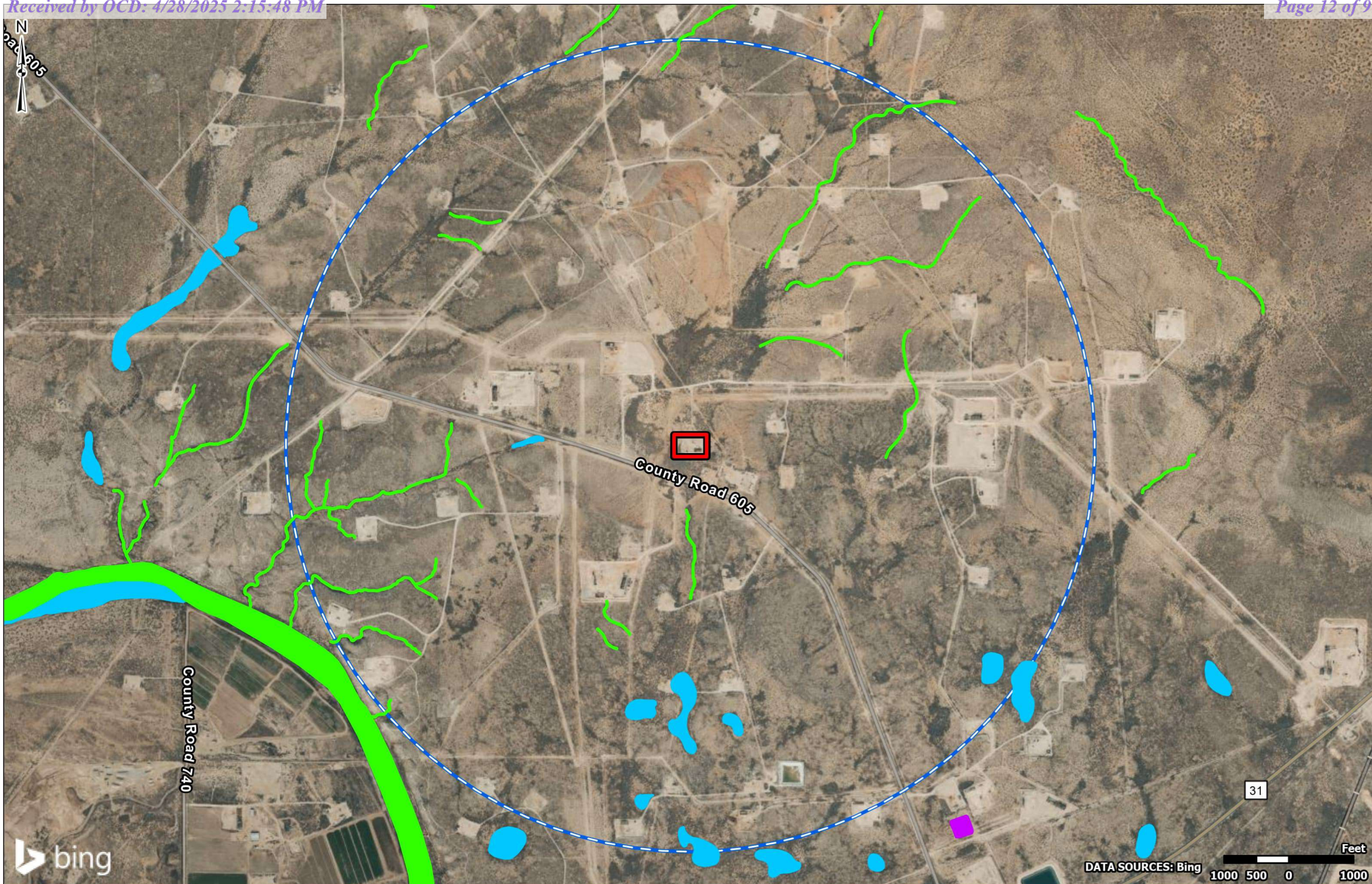

4526 W Pierce St
Carlsbad, NM
PH. 806-300-0140 terracon.com

NMOSE POD Location Map

Longview Deep 1-21H
Devon Energy Corp
32.338294, -104.046037
Carlsbad, Eddy County, New Mexico

Exhibit

3



- Site Boundary
- 1 Mile Radius
- Freshwater Emergent Wetland
- Freshwater Pond
- Riverine

Project No.:
KH247040

Date:
Apr 18 2025

Drawn By:
JWL

Reviewed By:
JRG



5847 50th St
Lubbock, TX

PH. 806-300-0140

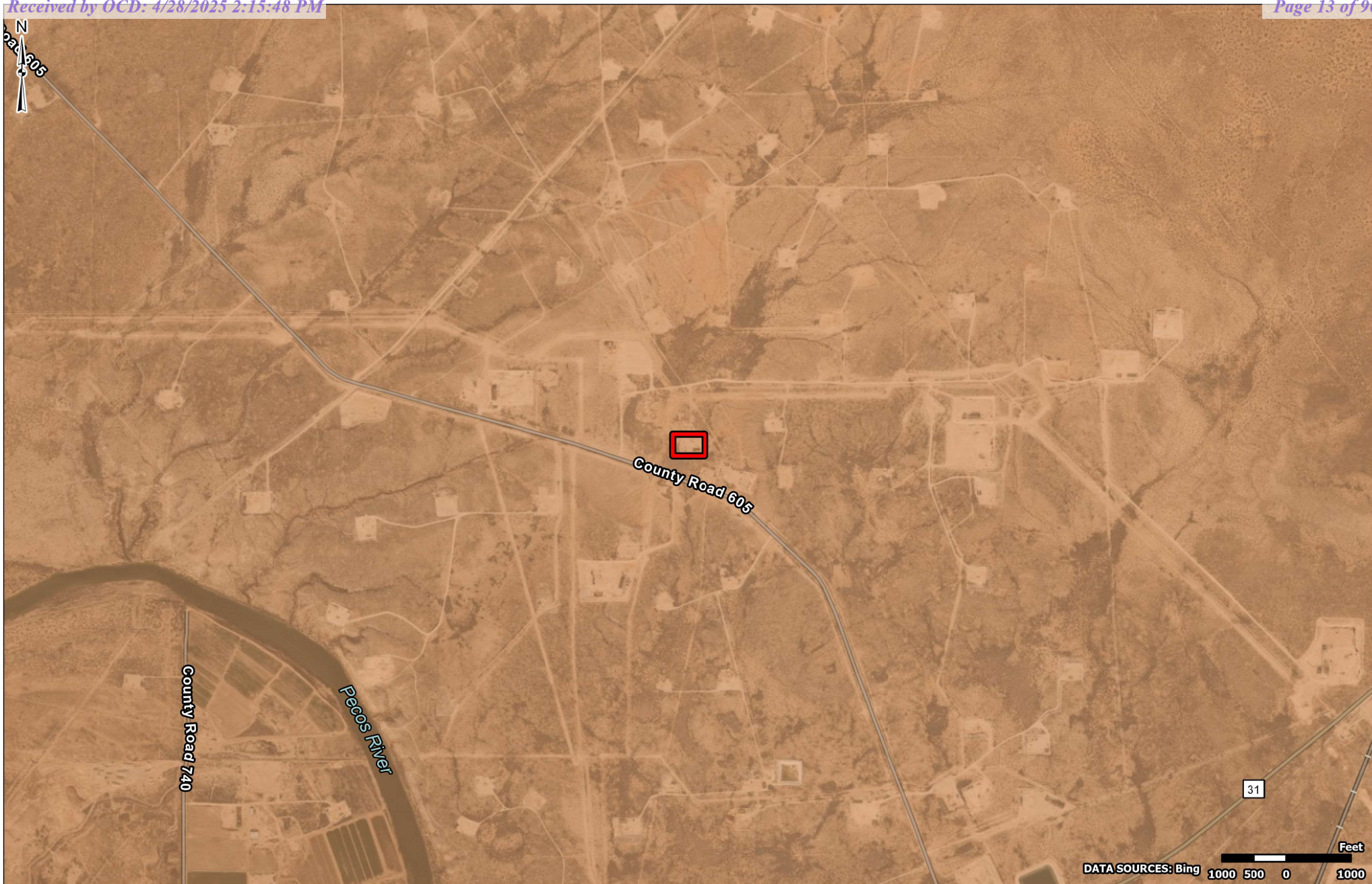
terracon.com





Designated Wetland Area Map

Longview Deep 1-21H
Devon Energy Corp
32.338294, -104.046037
Carlsbad, Eddy County, New Mexico

Exhibit

4




-  Site Boundary
- Karst Potential
-  Low
 -  Medium
 -  High

Project No.:
KH247040

Date:
Aug 14 2024

Drawn By:
JWL

Reviewed By:
JRG

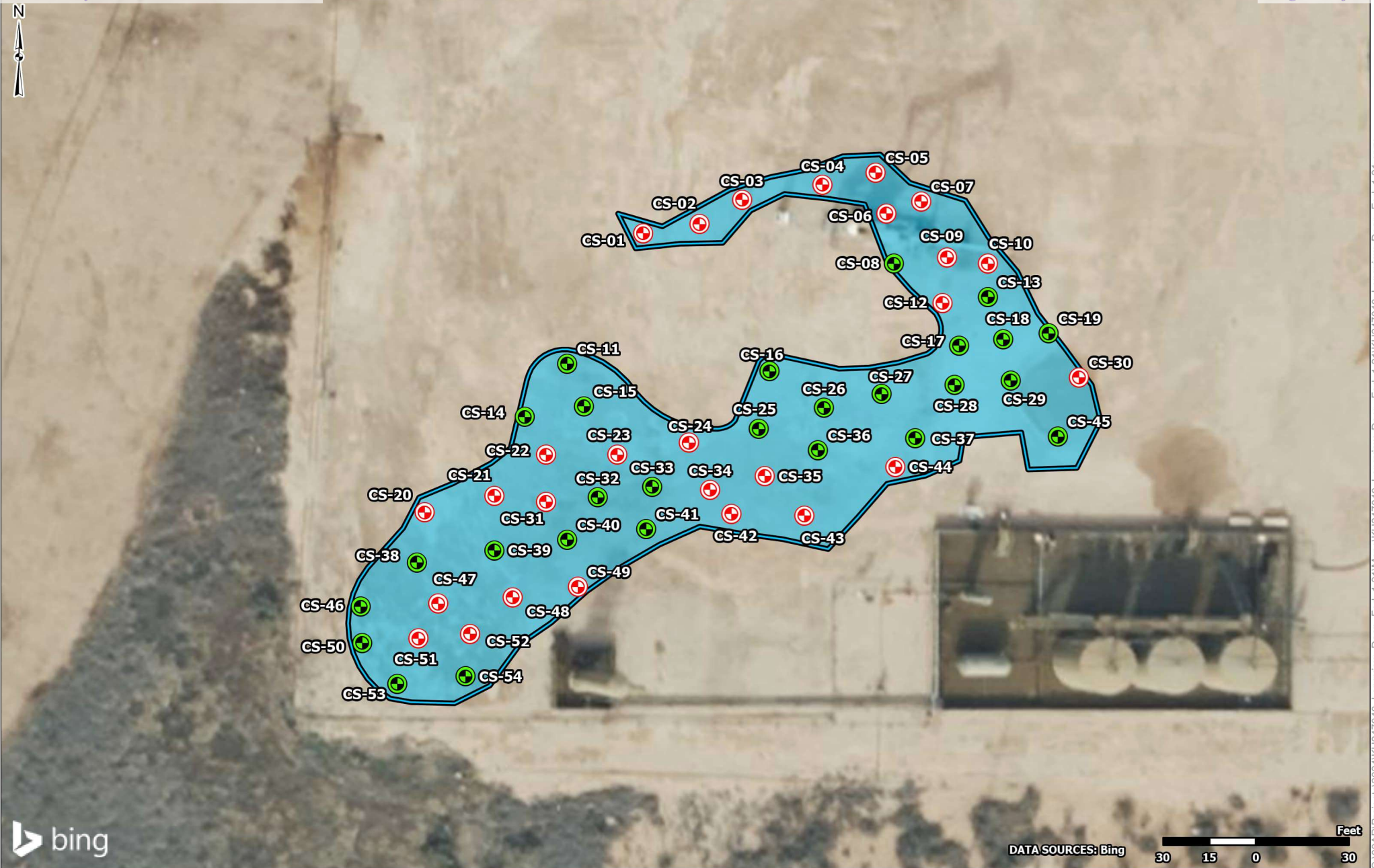

4526 W Pierce St
Carlsbad, NM
PH. 806-300-0140 terracon.com

Cave Karst Public UCP Map

Longview Deep 1-21H
Devon Energy Corp
32.338294, -104.046037
Carlsbad, Eddy County, New Mexico

Exhibit

5



Confirmation Floor Sample

- Below NMOCD RAL Standards
- Exceeds NMOCD RAL Standards

Project No.:	KH247040
Date:	Apr 17 2025
Drawn By:	JWL
Reviewed By:	JRG



5847 50th St
Lubbock, TX

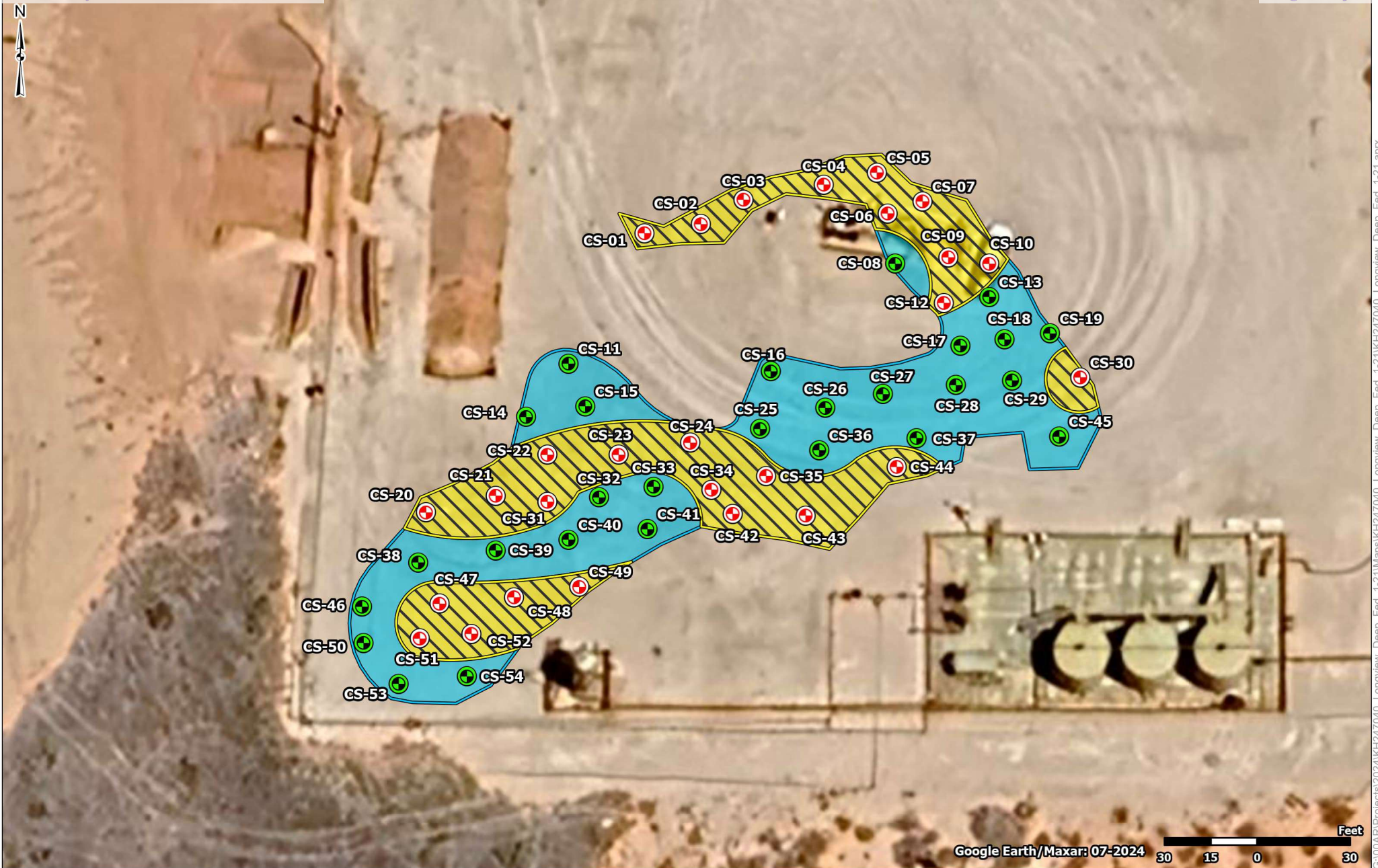
PH. 806-300-0140 terracon.com

Composite Sample Location Map

Longview Deep 1-21H
Devon Energy Corp
32.338294, -104.046037
Carlsbad, Eddy County, New Mexico

Exhibit

6



Confirmation Floor Sample

- Below NMOCD RAL Standards
- Exceeds NMOCD RAL Standards
- Excavation Area (4,938 Sq Ft)
- Inferred Release (10,664 Sq Ft)

Released to Imaging: 4/29/2025 10:33:06 AM

Project No.:
KH247040

Date:
Apr 18 2025

Drawn By:
JWL

Reviewed By:
JRG



5847 50th St
Lubbock, TX

PH. 806-300-0140

terracon.com

Excavation Area Map

Longview Deep 1-21H
Devon Energy Corp
32.338294, -104.046037
Carlsbad, Eddy County, New Mexico

Exhibit

7

Devon Energy Production Company, LP
Remediation Action Plan
Longview Deep Federal 1-#021H
Terracon Project No. KH247040



APPENDIX B – TABLES AND ATTACHMENTS

Table 1
Soil Analytical Results Summary - Composite Samples
Project Code: KH247040 - Longview Deep 1-21H
NMOCD Reference No. nAPP240035294

Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Confirmation Floor Samples											
CS-01	2/18/2025	0.5	Comp	In-Situ	2,800	ND	ND	2,427	ND	1,710	717
CS-02	2/18/2025	0.5	Comp	In-Situ	2,080	ND	ND	2,805	ND	1,970	835
CS-03	2/18/2025	0.5	Comp	In-Situ	3,000	ND	ND	5,490	ND	3,770	1,720
CS-04	2/18/2025	0.5	Comp	In-Situ	2,920	ND	ND	5,630	ND	3,860	1,770
CS-05	2/18/2025	0.5	Comp	In-Situ	3,920	ND	ND	2,819	ND	1,920	899
CS-06	2/18/2025	0.5	Comp	In-Situ	2,800	ND	ND	5,650	ND	3,900	1,750
CS-07	2/18/2025	0.5	Comp	In-Situ	3,760	ND	ND	2,052	ND	1,400	652
CS-08	2/18/2025	0.5	Comp	In-Situ	2,720	ND	ND	118	ND	57	61
CS-09	2/18/2025	0.5	Comp	In-Situ	3,080	ND	ND	5,600	ND	3,870	1,730
CS-10	2/18/2025	0.5	Comp	In-Situ	1,720	ND	ND	2,331	ND	1,610	721
CS-11	2/18/2025	0.5	Comp	In-Situ	2,520	ND	ND	34	ND	34	
CS-12	2/18/2025	0.5	Comp	In-Situ	1,550	ND	ND	4,148	ND	3,270	878
CS-13	2/18/2025	0.5	Comp	In-Situ	1,020	ND	ND	1,179	ND	922	257
CS-14	2/18/2025	0.5	Comp	In-Situ	912	ND	ND	589	ND	450	139
CS-15	2/18/2025	0.5	Comp	In-Situ	1,040	ND	ND	1,417	ND	1,090	327
CS-16	2/18/2025	0.5	Comp	In-Situ	2,640	ND	ND	675	ND	467	208
CS-17	2/18/2025	0.5	Comp	In-Situ	2,600	ND	ND	665	ND	455	210
CS-18	2/18/2025	0.5	Comp	In-Situ	2,840	ND	ND	111	ND	83	28
CS-19	2/18/2025	0.5	Comp	In-Situ	2,880	ND	ND	131	ND	93	38
CS-20	2/18/2025	0.5	Comp	In-Situ	5,360	ND	ND	4,108	ND	3,120	988
CS-21	2/18/2025	0.5	Comp	In-Situ	6,700	ND	ND	5,430	ND	4,180	1,250
CS-22	2/18/2025	0.5	Comp	In-Situ	6,080	ND	ND	5,330	ND	4,250	1,080
CS-23	2/18/2025	0.5	Comp	In-Situ	4,840	ND	ND	6,760	ND	5,320	1,440
CS-24	2/18/2025	0.5	Comp	In-Situ	6,160	ND	ND	6,150	ND	4,860	1,290
CS-25	2/18/2025	0.5	Comp	In-Situ	2,720	ND	ND	102	ND	71	31
CS-26	2/18/2025	0.5	Comp	In-Situ	2,800	ND	ND	87	ND	62	24
CS-27	2/18/2025	0.5	Comp	In-Situ	2,600	ND	ND	67	ND	49	17
CS-28	2/18/2025	0.5	Comp	In-Situ	2,840	ND	ND	78	ND	58	20
CS-29	2/18/2025	0.5	Comp	In-Situ	2,680	ND	ND	89	ND	66	23
CS-30	2/18/2025	0.5	Comp	In-Situ	16,400	ND	ND	520	ND	395	125
CS-31	2/18/2025	0.5	Comp	In-Situ	7,060	ND	ND	2,095	ND	1,500	595
CS-32	2/18/2025	0.5	Comp	In-Situ	2,400	ND	ND	1,056	ND	747	309
CS-33	2/18/2025	0.5	Comp	In-Situ	2,600	ND	ND	648	ND	467	181
CS-34	2/18/2025	0.5	Comp	In-Situ	6,880	ND	ND	2,653	ND	1,870	783
CS-35	2/18/2025	0.5	Comp	In-Situ	3,760	ND	ND	4,030	ND	2,870	1,160
CS-36	2/18/2025	0.5	Comp	In-Situ	288	ND	ND	94	ND	51	43
CS-37	2/18/2025	0.5	Comp	In-Situ	1,420	ND	ND	0	ND	ND	ND
CS-38	2/18/2025	0.5	Comp	In-Situ	1,300	ND	ND	0	ND	ND	ND
CS-39	2/18/2025	0.5	Comp	In-Situ	1,120	ND	ND	439	ND	302	137
CS-40	2/18/2025	0.5	Comp	In-Situ	288	ND	ND	36	ND	36	ND
CS-41	2/18/2025	0.5	Comp	In-Situ	272	ND	ND	51	ND	40	11
CS-42	2/18/2025	0.5	Comp	In-Situ	3,080	ND	ND	1,877	ND	1,350	527
CS-43	2/18/2025	0.5	Comp	In-Situ	4,160	ND	ND	2,713	ND	1,940	773
CS-44	2/18/2025	0.5	Comp	In-Situ	4,320	ND	ND	2,030	ND	1,450	580
CS-45	2/18/2025	0.5	Comp	In-Situ	1,140	ND	ND	410	ND	271	139
CS-46	2/18/2025	0.5	Comp	In-Situ	432	ND	ND	520	ND	344	176
CS-47	2/18/2025	0.5	Comp	In-Situ	4,000	ND	ND	8,510	ND	6,430	2,080
CS-48	2/18/2025	0.5	Comp	In-Situ	22,400	ND	ND	621	ND	437	184
CS-49	2/18/2025	0.5	Comp	In-Situ	27,600	ND	ND	679	ND	490	189
CS-50	2/18/2025	0.5	Comp	In-Situ	1,460	ND	ND	633	ND	418	215
CS-51	2/18/2025	0.5	Comp	In-Situ	1,120	ND	ND	33,830	ND	26,800	7,030
CS-52	2/18/2025	0.5	Comp	In-Situ	1,250	ND	ND	27,270	ND	21,400	5,870
CS-53	2/18/2025	0.5	Comp	In-Situ	1,570	ND	ND	271	ND	204	67
CS-54	2/18/2025	0.5	Comp	In-Situ	1,230	ND	ND	32	ND	32	ND
NMOCD Reclamation Standards ³ (Surface to 4 ft bgs)					10,000	10	50	2,500	1,000		N/A
NMOCD Remediation Standards ⁴ (Greater than Depths of 4 ft bgs)					10,000	10	50	2,500	1,000		N/A

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes

2. TPH = Total Petroleum Hydrocarbons

3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs

4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018

mg/kg = Milligrams per kilogram

ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL).

N/A = Not Applicable

Bold denotes concentrations above applicable laboratory SDLs.

Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.

In-situ = Sample is representative of material which remains in-place at the site.

Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.

Data Entry: tc

Reviewed By: cfs



**WELL RECORD & LOG**

OFFICE OF THE STATE ENGINEER


www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4609 POD1 SB-11		WELL TAG ID NO. SB-11		OSE FILE NO(S). C-4609			
	WELL OWNER NAME(S) Novo Oil & Gas Northern Delaware, LLC				PHONE (OPTIONAL) 405-286-3916			
	WELL OWNER MAILING ADDRESS 1001 W. Wilshire Blvd., Suite 206				CITY Oklahoma City			
					STATE OK			
					ZIP 73116			
WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32		MINUTES 20		SECONDS 26.14 N		* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
	LONGITUDE 104		02		44.11 W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Twp: T23S, Rng: R28E, Sec 1 (area north of CR 605 - Refinery Road)								
2. DRILLING & CASING INFORMATION	LICENSE NO. NM-1757		NAME OF LICENSED DRILLER David Draybuck			NAME OF WELL DRILLING COMPANY Envirotech Drilling Services		
	DRILLING STARTED 4/26/2022		DRILLING ENDED 4/26/2022		DEPTH OF COMPLETED WELL (FT) Well not installed, only bore hole		BORE HOLE DEPTH (FT) 51	
	DEPTH WATER FIRST ENCOUNTERED (FT) DRY							
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) DRY		DATE STATIC MEASURED DRY
	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) FROM TO		BORE HOLE DIAM. (inches)		CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)		CASING CONNECTION TYPE (add coupling diameter)	
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)		LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	
	0 51		~5 inches		Portland Type 1 with 5% bentonite grout		~6.8	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4609-POD1 SB11	POD NO. 1	TRN NO. 723858
LOCATION Mont 23.28.01.211	WELL TAG ID NO. —	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
	FROM	TO					
4. HYDROGEOLOGIC LOG OF WELL	0	6.5	6.5	reddish brown sand and silt, dry	Y ✓ N		
	6.5	12	5.5	tan fine grained sand and silt, dry	Y ✓ N		
	12	35	23	tan fine grained sand with rock, dry	Y ✓ N		
	35	48	13	tan-brown fine grained sand and silt with rock, dry	Y ✓ N		
	48	51	3	greenish-brown clay, dry	Y ✓ N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0	
	<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY: NA DRY						
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
	MISCELLANEOUS INFORMATION: Soil boring was installed to determine if groundwater was present at 51 feet bgs. A well was not installed. The borehole was dry <div style="text-align: right;">USE DTJ MAY 26 2022 PM 1:05</div>						
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: David Draybuck						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:						
					5-20-22		
	SIGNATURE OF DRILLER / PRINT-SIGNEE NAME				DATE		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	C-4609-POD1 SB-11	POD NO.	1
LOCATION	Went 23.28.01.211	TRN NO.	723858
		WELL TAG ID NO.	
		PAGE 2 OF 2	

Mike A. Hamman, P.E.
State Engineer



Well Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 723858
File Nbr: C 04609
Well File Nbr: C 04609 POD1

May. 26, 2022

BRYAN HANEY
ALTAMIRA-US LLC
14229 PUNTA BONAIRE
CORPUS CHRISTI, TX 78418

Greetings:

The above numbered permit was issued in your name on 04/15/2022.

The Well Record was received in this office on 05/26/2022, stating that it had been completed on 04/26/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 04/15/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Amaral", is written over a horizontal line.

Maret Amaral
(575) 622-6521

drywell



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

February 26, 2025

TRAVIS CASEY

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: LONGVIEW

Enclosed are the results of analyses for samples received by the laboratory on 02/20/25 15:01.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 01 0.5' (H251029-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.02	101	2.00	1.75	
Toluene*	<0.050	0.050	02/23/2025	ND	2.08	104	2.00	1.53	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	100	2.00	1.69	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.89	98.2	6.00	2.04	
Total BTX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	02/22/2025	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	212	106	200	1.40	
DRO >C10-C28*	1710	10.0	02/21/2025	ND	215	108	200	0.509	
EXT DRO >C28-C36	717	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 02 0.5' (H251029-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.02	101	2.00	1.75	
Toluene*	<0.050	0.050	02/23/2025	ND	2.08	104	2.00	1.53	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	100	2.00	1.69	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.89	98.2	6.00	2.04	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	02/22/2025	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	212	106	200	1.40	
DRO >C10-C28*	1970	10.0	02/21/2025	ND	215	108	200	0.509	
EXT DRO >C28-C36	835	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 03 0.5' (H251029-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.02	101	2.00	1.75		
Toluene*	<0.050	0.050	02/23/2025	ND	2.08	104	2.00	1.53		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	100	2.00	1.69		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.89	98.2	6.00	2.04		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	02/22/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	212	106	200	1.40	
DRO >C10-C28*	3770	10.0	02/21/2025	ND	215	108	200	0.509	
EXT DRO >C28-C36	1720	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 04 0.5' (H251029-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.02	101	2.00	1.75	
Toluene*	<0.050	0.050	02/23/2025	ND	2.08	104	2.00	1.53	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	100	2.00	1.69	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.89	98.2	6.00	2.04	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	02/22/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	212	106	200	1.40	
DRO >C10-C28*	3860	10.0	02/21/2025	ND	215	108	200	0.509	
EXT DRO >C28-C36	1770	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 05 0.5' (H251029-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.02	101	2.00	1.75	
Toluene*	<0.050	0.050	02/23/2025	ND	2.08	104	2.00	1.53	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	100	2.00	1.69	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.89	98.2	6.00	2.04	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	02/22/2025	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	212	106	200	1.40	
DRO >C10-C28*	1920	10.0	02/21/2025	ND	215	108	200	0.509	
EXT DRO >C28-C36	899	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 06 0.5' (H251029-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.02	101	2.00	1.75		
Toluene*	<0.050	0.050	02/23/2025	ND	2.08	104	2.00	1.53		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	100	2.00	1.69		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.89	98.2	6.00	2.04		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	02/22/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	212	106	200	1.40	
DRO >C10-C28*	3900	10.0	02/21/2025	ND	215	108	200	0.509	
EXT DRO >C28-C36	1750	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 07 0.5' (H251029-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.02	101	2.00	1.75		
Toluene*	<0.050	0.050	02/23/2025	ND	2.08	104	2.00	1.53		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	100	2.00	1.69		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.89	98.2	6.00	2.04		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	02/22/2025	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	212	106	200	1.40	
DRO >C10-C28*	1400	10.0	02/21/2025	ND	215	108	200	0.509	
EXT DRO >C28-C36	652	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 08 0.5' (H251029-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.02	101	2.00	1.75		
Toluene*	<0.050	0.050	02/23/2025	ND	2.08	104	2.00	1.53		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	100	2.00	1.69		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.89	98.2	6.00	2.04		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	02/22/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	212	106	200	1.40	
DRO >C10-C28*	56.5	10.0	02/21/2025	ND	215	108	200	0.509	
EXT DRO >C28-C36	61.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 09 0.5' (H251029-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.02	101	2.00	1.75	
Toluene*	<0.050	0.050	02/23/2025	ND	2.08	104	2.00	1.53	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	100	2.00	1.69	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.89	98.2	6.00	2.04	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	02/22/2025	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	212	106	200	1.40	
DRO >C10-C28*	3870	10.0	02/21/2025	ND	215	108	200	0.509	
EXT DRO >C28-C36	1730	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 10 0.5' (H251029-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.02	101	2.00	1.75	
Toluene*	<0.050	0.050	02/23/2025	ND	2.08	104	2.00	1.53	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	100	2.00	1.69	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.89	98.2	6.00	2.04	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	02/22/2025	ND	416	104	400	3.92	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	212	106	200	1.40	
DRO >C10-C28*	1610	10.0	02/21/2025	ND	215	108	200	0.509	
EXT DRO >C28-C36	721	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 65.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 11 0.5' (H251029-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.02	101	2.00	1.75	
Toluene*	<0.050	0.050	02/23/2025	ND	2.08	104	2.00	1.53	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	100	2.00	1.69	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.89	98.2	6.00	2.04	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	02/22/2025	ND	416	104	400	3.92	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	34.1	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 12 0.5' (H251029-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.02	101	2.00	1.75		
Toluene*	<0.050	0.050	02/23/2025	ND	2.08	104	2.00	1.53		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	100	2.00	1.69		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.89	98.2	6.00	2.04		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	02/23/2025	ND	432	108	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	3270	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	878	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 13 0.5' (H251029-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.02	101	2.00	1.75		
Toluene*	<0.050	0.050	02/23/2025	ND	2.08	104	2.00	1.53		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	100	2.00	1.69		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.89	98.2	6.00	2.04		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	02/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	922	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	257	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 14 0.5' (H251029-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91		
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06		
Total BTEX	<0.300	0.300	02/23/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	02/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	450	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	139	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 15 0.5' (H251029-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91		
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	02/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	1090	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	327	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 16 0.5' (H251029-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91		
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2640	16.0	02/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	467	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	208	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 17 0.5' (H251029-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91	
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	02/23/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	455	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	210	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 18 0.5' (H251029-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91	
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	02/23/2025	ND	432	108	400	3.77	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	83.0	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	27.9	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 19 0.5' (H251029-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91		
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2880	16.0	02/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	92.6	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	38.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 20 0.5' (H251029-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91		
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5360	16.0	02/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	3120	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	988	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 21 0.5' (H251029-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91		
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6700	16.0	02/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	4180	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	1250	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 22 0.5' (H251029-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91		
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6080	16.0	02/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	4250	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	1080	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 23 0.5' (H251029-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91	
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4840	16.0	02/23/2025	ND	432	108	400	3.77	

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	5320	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	1440	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 168 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 24 0.5' (H251029-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91		
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6160	16.0	02/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	4860	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	1290	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 156 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 25 0.5' (H251029-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91	
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	02/23/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	71.0	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	31.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 26 0.5' (H251029-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91		
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06		
Total BTEX	<0.300	0.300	02/23/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	02/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	62.2	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	24.3	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 27 0.5' (H251029-27)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91	
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	02/23/2025	ND	432	108	400	3.77	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	49.3	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	17.3	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 28 0.5' (H251029-28)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91	
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06	
Total BTX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	02/23/2025	ND	432	108	400	3.77	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	58.2	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	19.7	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 29 0.5' (H251029-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91		
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2680	16.0	02/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	66.2	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	22.7	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 30 0.5' (H251029-30)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91	
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16400	16.0	02/23/2025	ND	432	108	400	3.77	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	221	110	200	4.51	
DRO >C10-C28*	395	10.0	02/21/2025	ND	218	109	200	6.83	
EXT DRO >C28-C36	125	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 31 0.5' (H251029-31)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91	
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7060	16.0	02/23/2025	ND	432	108	400	3.77	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	1500	10.0	02/21/2025	ND	204	102	200	0.598	QR-03
EXT DRO >C28-C36	595	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 32 0.5' (H251029-32)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91	
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	02/24/2025	ND	416	104	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	747	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	309	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 33 0.5' (H251029-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	2.05	103	2.00	1.91		
Toluene*	<0.050	0.050	02/23/2025	ND	2.09	105	2.00	2.02		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	2.00	99.9	2.00	1.95		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.84	97.3	6.00	2.06		
Total BTEX	<0.300	0.300	02/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	02/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	467	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	181	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 34 0.5' (H251029-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	1.76	88.1	2.00	0.165		
Toluene*	<0.050	0.050	02/23/2025	ND	1.84	92.2	2.00	0.659		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	1.87	93.6	2.00	0.540		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.74	95.7	6.00	0.0340		
Total BTEX	<0.300	0.300	02/23/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6880	16.0	02/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	1870	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	783	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 35 0.5' (H251029-35)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	1.76	88.1	2.00	0.165	
Toluene*	<0.050	0.050	02/23/2025	ND	1.84	92.2	2.00	0.659	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	1.87	93.6	2.00	0.540	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.74	95.7	6.00	0.0340	
Total BTEX	<0.300	0.300	02/23/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	02/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	2870	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	1160	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 36 0.5' (H251029-36)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	1.76	88.1	2.00	0.165	
Toluene*	<0.050	0.050	02/23/2025	ND	1.84	92.2	2.00	0.659	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	1.87	93.6	2.00	0.540	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.74	95.7	6.00	0.0340	
Total BTEX	<0.300	0.300	02/23/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	50.7	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	43.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 37 0.5' (H251029-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	1.76	88.1	2.00	0.165		
Toluene*	<0.050	0.050	02/23/2025	ND	1.84	92.2	2.00	0.659		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	1.87	93.6	2.00	0.540		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.74	95.7	6.00	0.0340		
Total BTEX	<0.300	0.300	02/23/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	02/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 38 0.5' (H251029-38)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	1.76	88.1	2.00	0.165	
Toluene*	<0.050	0.050	02/23/2025	ND	1.84	92.2	2.00	0.659	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	1.87	93.6	2.00	0.540	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.74	95.7	6.00	0.0340	
Total BTEX	<0.300	0.300	02/23/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	02/24/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 39 0.5' (H251029-39)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	1.76	88.1	2.00	0.165	
Toluene*	<0.050	0.050	02/23/2025	ND	1.84	92.2	2.00	0.659	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	1.87	93.6	2.00	0.540	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.74	95.7	6.00	0.0340	
Total BTEX	<0.300	0.300	02/23/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	02/24/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	302	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	137	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 40 0.5' (H251029-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2025	ND	1.76	88.1	2.00	0.165		
Toluene*	<0.050	0.050	02/23/2025	ND	1.84	92.2	2.00	0.659		
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	1.87	93.6	2.00	0.540		
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.74	95.7	6.00	0.0340		
Total BTEX	<0.300	0.300	02/23/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	36.1	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 41 0.5' (H251029-41)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	1.76	88.1	2.00	0.165	
Toluene*	<0.050	0.050	02/23/2025	ND	1.84	92.2	2.00	0.659	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	1.87	93.6	2.00	0.540	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.74	95.7	6.00	0.0340	
Total BTEX	<0.300	0.300	02/23/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/24/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	39.9	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	11.1	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 42 0.5' (H251029-42)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	1.76	88.1	2.00	0.165	
Toluene*	<0.050	0.050	02/23/2025	ND	1.84	92.2	2.00	0.659	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	1.87	93.6	2.00	0.540	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.74	95.7	6.00	0.0340	
Total BTEX	<0.300	0.300	02/23/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3080	16.0	02/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	1350	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	527	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 43 0.5' (H251029-43)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2025	ND	1.76	88.1	2.00	0.165	
Toluene*	<0.050	0.050	02/23/2025	ND	1.84	92.2	2.00	0.659	
Ethylbenzene*	<0.050	0.050	02/23/2025	ND	1.87	93.6	2.00	0.540	
Total Xylenes*	<0.150	0.150	02/23/2025	ND	5.74	95.7	6.00	0.0340	
Total BTEX	<0.300	0.300	02/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	02/24/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	1940	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	773	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 44 0.5' (H251029-44)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2025	ND	1.76	88.1	2.00	0.165	
Toluene*	<0.050	0.050	02/24/2025	ND	1.84	92.2	2.00	0.659	
Ethylbenzene*	<0.050	0.050	02/24/2025	ND	1.87	93.6	2.00	0.540	
Total Xylenes*	<0.150	0.150	02/24/2025	ND	5.74	95.7	6.00	0.0340	
Total BTEX	<0.300	0.300	02/24/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	02/24/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	1450	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	580	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 45 0.5' (H251029-45)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/24/2025	ND	1.76	88.1	2.00	0.165		
Toluene*	<0.050	0.050	02/24/2025	ND	1.84	92.2	2.00	0.659		
Ethylbenzene*	<0.050	0.050	02/24/2025	ND	1.87	93.6	2.00	0.540		
Total Xylenes*	<0.150	0.150	02/24/2025	ND	5.74	95.7	6.00	0.0340		
Total BTEX	<0.300	0.300	02/24/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	02/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	271	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	139	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 46 0.5' (H251029-46)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2025	ND	1.76	88.1	2.00	0.165	
Toluene*	<0.050	0.050	02/24/2025	ND	1.84	92.2	2.00	0.659	
Ethylbenzene*	<0.050	0.050	02/24/2025	ND	1.87	93.6	2.00	0.540	
Total Xylenes*	<0.150	0.150	02/24/2025	ND	5.74	95.7	6.00	0.0340	
Total BTEX	<0.300	0.300	02/24/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/24/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	344	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	176	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 47 0.5' (H251029-47)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2025	ND	1.76	88.1	2.00	0.165	
Toluene*	<0.050	0.050	02/24/2025	ND	1.84	92.2	2.00	0.659	
Ethylbenzene*	<0.050	0.050	02/24/2025	ND	1.87	93.6	2.00	0.540	
Total Xylenes*	<0.150	0.150	02/24/2025	ND	5.74	95.7	6.00	0.0340	
Total BTEX	<0.300	0.300	02/24/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	02/24/2025	ND	416	104	400	0.00	

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	6730	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	2080	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 197 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 48 0.5' (H251029-48)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/24/2025	ND	1.76	88.1	2.00	0.165		
Toluene*	<0.050	0.050	02/24/2025	ND	1.84	92.2	2.00	0.659		
Ethylbenzene*	<0.050	0.050	02/24/2025	ND	1.87	93.6	2.00	0.540		
Total Xylenes*	<0.150	0.150	02/24/2025	ND	5.74	95.7	6.00	0.0340		
Total BTEX	<0.300	0.300	02/24/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22400	16.0	02/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	437	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	184	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 49 0.5' (H251029-49)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/24/2025	ND	1.76	88.1	2.00	0.165		
Toluene*	<0.050	0.050	02/24/2025	ND	1.84	92.2	2.00	0.659		
Ethylbenzene*	<0.050	0.050	02/24/2025	ND	1.87	93.6	2.00	0.540		
Total Xylenes*	<0.150	0.150	02/24/2025	ND	5.74	95.7	6.00	0.0340		
Total BTEX	<0.300	0.300	02/24/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	27600	16.0	02/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	490	10.0	02/21/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	189	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 50 0.5' (H251029-50)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/24/2025	ND	1.76	88.1	2.00	0.165		
Toluene*	<0.050	0.050	02/24/2025	ND	1.84	92.2	2.00	0.659		
Ethylbenzene*	<0.050	0.050	02/24/2025	ND	1.87	93.6	2.00	0.540		
Total Xylenes*	<0.150	0.150	02/24/2025	ND	5.74	95.7	6.00	0.0340		
Total BTX	<0.300	0.300	02/24/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1460	16.0	02/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	196	98.0	200	1.36	
DRO >C10-C28*	418	10.0	02/22/2025	ND	204	102	200	0.598	
EXT DRO >C28-C36	215	10.0	02/22/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 51 0.5' (H251029-51)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2025	ND	1.76	88.1	2.00	0.165	
Toluene*	<0.050	0.050	02/24/2025	ND	1.84	92.2	2.00	0.659	
Ethylbenzene*	<0.050	0.050	02/24/2025	ND	1.87	93.6	2.00	0.540	
Total Xylenes*	<0.150	0.150	02/24/2025	ND	5.74	95.7	6.00	0.0340	
Total BTEX	<0.300	0.300	02/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	02/24/2025	ND	416	104	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	02/22/2025	ND	216	108	200	7.35	QM-07
DRO >C10-C28*	26800	100	02/22/2025	ND	203	101	200	5.75	QM-07, QR-03
EXT DRO >C28-C36	7030	100	02/22/2025	ND					

Surrogate: 1-Chlorooctane 140 % 48.2-134

Surrogate: 1-Chlorooctadecane 1160 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 52 0.5' (H251029-52)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2025	ND	1.76	88.1	2.00	0.165	
Toluene*	<0.050	0.050	02/24/2025	ND	1.84	92.2	2.00	0.659	
Ethylbenzene*	<0.050	0.050	02/24/2025	ND	1.87	93.6	2.00	0.540	
Total Xylenes*	<0.150	0.150	02/24/2025	ND	5.74	95.7	6.00	0.0340	
Total BTEX	<0.300	0.300	02/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	02/24/2025	ND	432	108	400	3.77	QM-07

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	02/22/2025	ND	216	108	200	7.35	
DRO >C10-C28*	21400	100	02/22/2025	ND	203	101	200	5.75	
EXT DRO >C28-C36	5870	100	02/22/2025	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 861 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 53 0.5' (H251029-53)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/24/2025	ND	1.76	88.1	2.00	0.165		
Toluene*	<0.050	0.050	02/24/2025	ND	1.84	92.2	2.00	0.659		
Ethylbenzene*	<0.050	0.050	02/24/2025	ND	1.87	93.6	2.00	0.540		
Total Xylenes*	<0.150	0.150	02/24/2025	ND	5.74	95.7	6.00	0.0340		
Total BTEX	<0.300	0.300	02/24/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	02/24/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	216	108	200	7.35	
DRO >C10-C28*	204	10.0	02/22/2025	ND	203	101	200	5.75	
EXT DRO >C28-C36	66.6	10.0	02/22/2025	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 TRAVIS CASEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 02/20/2025
 Reported: 02/26/2025
 Project Name: LONGVIEW
 Project Number: KH247040
 Project Location: DEVON

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 54 0.5' (H251029-54)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/24/2025	ND	1.78	89.1	2.00	1.12		
Toluene*	<0.050	0.050	02/24/2025	ND	1.87	93.4	2.00	1.19		
Ethylbenzene*	<0.050	0.050	02/24/2025	ND	1.88	94.1	2.00	1.61		
Total Xylenes*	<0.150	0.150	02/24/2025	ND	5.75	95.8	6.00	1.00		
Total BTEX	<0.300	0.300	02/24/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1230	16.0	02/24/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	216	108	200	7.35	
DRO >C10-C28*	32.3	10.0	02/22/2025	ND	203	101	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	02/22/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Terracon		P.O. #:		BILL TO:		ANALYSIS REQUEST													
Project Manager:		Company: Devon																	
Address: 4526 W. Perice Street		Attn: Jim Raley																	
City: Carlsbad		Address:																	
Phone #: 5756895949		City:																	
Project #: KH247040		State:																	
Project Name: Longview		Phone #:																	
Project Location:		Fax #:																	
Sampler Name: Travis Casey		PRESERV.		SAMPLING															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)						
H257029		0.5	C	X	X	X	X	X	2/18/2025	3:50	X	X	X						
	CS-11	0.5	C	X	X	X	X	X	2/18/2025	3:55	X	X	X						
	CS-12	0.5	C	X	X	X	X	X	2/18/2025	4:00	X	X	X						
	CS-13	0.5	C	X	X	X	X	X	2/18/2025	4:05	X	X	X						
	CS-14	0.5	C	X	X	X	X	X	2/18/2025	4:10	X	X	X						
	CS-15	0.5	C	X	X	X	X	X	2/18/2025	4:15	X	X	X						
	CS-16	0.5	C	X	X	X	X	X	2/18/2025	4:20	X	X	X						
	CS-17	0.5	C	X	X	X	X	X	2/18/2025	4:25	X	X	X						
	CS-18	0.5	C	X	X	X	X	X	2/18/2025	4:30	X	X	X						
	CS-19	0.5	C	X	X	X	X	X	2/18/2025	4:35	X	X	X						
	CS-20	0.5	C	X	X	X	X	X	2/18/2025										

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

Relinquished By:

Received By:

REMARKS:
joseph.guesner@terracon.com;travis.casey@terracon.com;chuck.smith@terracon.com;beckysue.miller@terracon.com
gus.sanchez@terracon.com

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. 5.6 °C

Corrected Temp. 3.9 °C

Sample Condition

Cool ☐ Intact ☐

Yes ☐ Yes ☐

No ☐ No ☐

CHECKED BY: (Initials)

Turnaround Time: Standard ☒ Rush ☐

Bacteria (only) Sample Condition

Cool ☐ Yes ☐

Yes ☐ Yes ☐

No ☐ No ☐

Observed Temp. °C

Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Terracon		P.O. #:		BILL TO:		ANALYSIS REQUEST													
Project Manager:		Company: Devon																	
Address: 4526 W. Perice Street		Attn: Jim Raley																	
City: Carlsbad		Address:																	
Phone #: 5756895949		City:																	
Project #: KH247040		State:																	
Project Name: Longview		Phone #:																	
Project Location:		Fax #:																	
Sampler Name: Travis Casey		PRESERV.		SAMPLING															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)						
H251029		0.5	C	X	X	X	X	X	2/18/2025	4:40	X	X	X						
	CS-21	0.5	C	X	X	X	X	X	2/18/2025	4:45	X	X	X						
	CS-22	0.5	C	X	X	X	X	X	2/18/2025	4:50	X	X	X						
	CS-23	0.5	C	X	X	X	X	X	2/18/2025	4:55	X	X	X						
	CS-24	0.5	C	X	X	X	X	X	2/18/2025	3:02	X	X	X						
	CS-25	0.5	C	X	X	X	X	X	2/18/2025	3:04	X	X	X						
	CS-26	0.5	C	X	X	X	X	X	2/18/2025	3:00	X	X	X						
	CS-27	0.5	C	X	X	X	X	X	2/18/2025	3:06	X	X	X						
	CS-28	0.5	C	X	X	X	X	X	2/18/2025	3:08	X	X	X						
	CS-29	0.5	C	X	X	X	X	X	2/18/2025	3:10	X	X	X						
	CS-30	0.5	C	X	X	X	X	X	2/18/2025	3:10	X	X	X						

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Travis Casey Date: 2/10/25 Received By: Auto Labing Verbal Result: ☐ Yes ☐ No Add'l Phone #:

Relinquished By: Auto Labing Date: 2/10/25 Received By: Auto Labing Verbal Result: ☐ Yes ☐ No Add'l Phone #:

Delivered By: (Circle One) Auto Labing Observed Temp. 3.0 °C Corrected Temp. 3.9 °C Sample Condition ☒ Cool ☐ Intact ☐ Yes ☐ No ☐ No ☐ No

FORM-006 R 3.2 10/07/21 t Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Terracon		P.O. #:		BILL TO:		ANALYSIS REQUEST														
Project Manager:		Company: Devon																		
Address: 4526 W. Perce Street		Attn: Jim Raley																		
City: Carlsbad		Address:																		
Phone #: 5756895949		City:																		
Fax #:		State:																		
Project #: KH247040		Phone #:																		
Project Name: Longview		Fax #:																		
Project Location:																				
Sampler Name: Travis Casey																				
FOR LAB USE ONLY																				
Lab I.D.	Sample I.D.	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)								
4251029	CS-31	0.5	C	X	X	X	X	2/18/2025	3:12	X	X	X								
	CS-32	0.5	C	X	X	X	X	2/18/2025	3:16	X	X	X								
	CS-33	0.5	C	X	X	X	X	2/18/2025	3:18	X	X	X								
	CS-34	0.5	C	X	X	X	X	2/18/2025	3:22	X	X	X								
	CS-35	0.5	C	X	X	X	X	2/18/2025	3:24	X	X	X								
	CS-36	0.5	C	X	X	X	X	2/18/2025	3:28	X	X	X								
	CS-37	0.5	C	X	X	X	X	2/18/2025	3:30	X	X	X								
	CS-38	0.5	C	X	X	X	X	2/18/2025	3:34	X	X	X								
	CS-39	0.5	C	X	X	X	X	2/18/2025	3:38	X	X	X								
	CS-40	0.5	C	X	X	X	X	2/18/2025	3:40	X	X	X								

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date:

Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

Relinquished By:

Date:

Received By:

REMARKS:

Joseph.guesner@terracon.com, travis.casey@terracon.com, chuck.smith@terracon.com, bethysue.miller@terracon.com
gus.sanchez@terracon.com

Delivered By: (Circle One)

Observed Temp. °C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time: Standard

Bacteria (only) Sample Condition

Observed Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Cool Intact

(Initials)

Thermometer ID #413 #140

Cool

Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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



101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Terracon

Project Manager:

Address: 4526 W. Perice Street

City: Carlsbad

Phone #: 5756895949

Project #: KH247040

Project Name: Longview

Project Location:

Sampler Name: Travis Casey

FOR LAB USE ONLY

BILL TO:

P.O. #:

Company: Devon

Attn: Jim Riley

Address:

City:

State:

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.	Depth	(G)RAB OR (C)OMP.	MATRIX						ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)							
			# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE															OTHER :
41	CS-41	0.5	C	X								2/18/2025	3:44	X	X	X							
42	CS-42	0.5	C	X								2/18/2025	3:48	X	X	X							
43	CS-43	0.5	C	X								2/18/2025	3:52	X	X	X							
44	CS-44	0.5	C	X								2/18/2025	3:56	X	X	X							
45	CS-45	0.5	C	X								2/18/2025	3:58	X	X	X							
46	CS-46	0.5	C	X								2/18/2025	4:10	X	X	X							
47	CS-47	0.5	C	X								2/18/2025	4:12	X	X	X							
48	CS-48	0.5	C	X								2/18/2025	4:14	X	X	X							
49	CS-49	0.5	C	X								2/18/2025	4:16	X	X	X							
50	CS-50	0.5	C	X								2/18/2025	4:22	X	X	X							

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

Relinquished By:

Received By:

REMARKS:

Turnaround Time: Standard ☒ Rush ☐

Thermometer ID #13 #140 ☒ Bacteria (only) Sample Condition

Correction Factor: -0.3°C ☒ Cool ☐ Observed Temp. °C

Corrected Temp. °C

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

FORM-006 R 3.2 10/07/21

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

Devon Energy Production Company, LP
Remediation Action Plan
Longview Deep Federal 1-#021H
Terracon Project No. KH247040



APPENDIX C – TERRACON STANDARD OF CARE, LIMITATION, AND RELIANCE

Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the MSA agreed with you, Devon Energy Production Company, LP.

Additional Scope Limitations

The development of this Reclamation Workplan Report is based upon information provided by Devon Energy Production Company, LP. Such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those by information provided by Devon Energy Production Company, LP. The data, interpretations, findings, and recommendations are based solely upon reformation executed within the scope of these services.

Reliance

This report has been prepared for the exclusive use of Devon Energy Production Company, LP, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Devon Energy Production Company, LP, and Terracon. Any unauthorized distribution or reuse is at Devon Energy Production Company, LP sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal and Devon Energy Production Company, LP, and Terracon's Master Services Agreement. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to Devon Energy Production Company, LP, and all relying parties unless otherwise agreed in writing.

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 456352

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456352
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2420035294
Incident Name	NAPP2420035294 LONGVIEW FEDERAL 1 #021H @ 30-015-40651
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-015-40651] LONGVIEW FEDERAL 1 #021H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	LONGVIEW FEDERAL 1 #021H
Date Release Discovered	07/18/2024
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Other (Specify) Crude Oil Released: 15 BBL Recovered: 3 BBL Lost: 12 BBL.
Produced Water Released (bbls) Details	Not answered.
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)	Oil was leaking from the stuffing box onto the pad. Estimated 14.8 bbls spilled. Closed BOP rams to stop leak. Packing replaced on well. Trucks dispatched for recovery. 3 bbls recovered.

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 456352

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456352
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Trucks dispatched for recovery. 3 bbls recovered.

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@dv.com Date: 04/28/2025
--	---

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 456352

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456352
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	27600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	33830
GRO+DRO (EPA SW-846 Method 8015M)	26800
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	05/19/2025
On what date will (or did) the final sampling or liner inspection occur	06/02/2025
On what date will (or was) the remediation complete(d)	06/02/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	4940
What is the estimated volume (in cubic yards) that will be remediated	366
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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 456352

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456352
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 04/28/2025
<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/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 5

Action 456352

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456352
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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 456352

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456352
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	430923
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/19/2025
What was the (estimated) number of samples that were to be gathered	54
What was the sampling surface area in square feet	10633

Remediation Closure Request

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

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

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 456352

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456352
	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. The work will need to occur in 90 days after the work plan has been reviewed.	4/29/2025