

## NM-35 LINE LEAK

### Remediation Action Plan

NMOCD Incident No. nAPP2413552773  
UL "E", Sec. 4, T20S, R38E  
32.604361°, -103.15911°  
Lea County, New Mexico

May 22, 2025



#### PREPARED ON BEHALF OF

Phillips 66  
6900 E. Layton Ave., Suite 900  
Denver, CO 80237



#### PREPARED BY

Tasman, Inc.  
2620 W. Marland Blvd.  
Hobbs, NM 88240



May 22, 2025

Phillips 66  
6900 E. Layton Ave.  
Suite 900 Denver, CO 80237

Attn: Mr. Steve Weathers  
Email: [stephen.weathers@p66.com](mailto:stephen.weathers@p66.com)

Re: Remediation Action Plan  
NM-35 Line Leak  
UL "E", Section 4, Township 20 South, Range 38 East  
Lea County, New Mexico  
NMOCD Incident No. nAPP2413552773  
Tasman Project No. 7431

Dear Mr. Weathers,

Tasman, Inc. (Tasman) is pleased to submit this Remediation Action Plan for the above referenced site. Site assessment activities were executed in accordance with the New Mexico Oil Conservation Division (NMOCD) regulations concerning the delineation of releases of crude oil to the environment.

Tasman conducted initial assessment activities, identifying an approximately 3,377-square foot area that had been impacted by the release. The release area was then vertically, and horizontally delineated. Based on laboratory analytical results from soil samples collected during confirmation sampling activities, impacted soil within the release area has been delineated to the applicable NMOCD Action Level. Additional project details are provided in the attached Remediation Action Plan.

Tasman appreciates the opportunity to provide environmental services to Phillips 66. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Sincerely,  
**Tasman, Inc.**

Brett Dennis  
Senior Project Manager  
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## 1.0 INTRODUCTION

Tasman, Inc. (Tasman) is pleased to submit this Remediation Action Plan for the NM-35 Line Leak (site) on behalf of Phillips 66 (P66), documenting the results of field activities conducted in response to a release of crude oil to environmental media.

### 1.1 Site Description

The site is located in Unit Letter “E” of Section 4, Township 20 South, Range 38 East in Lea County, New Mexico. The release occurred at the NM-35 pipeline, located on private property. The surrounding area is primarily comprised of undeveloped pastureland and exploration and production infrastructure. A site location map can be found attached as Figure 1.

### 1.2 Release Detail and Initial Response

On April 30, 2024, the NM-35 pipeline was discovered by P66 personnel to have failed due to corrosion of the line. A Notification of Release (NOR) was provided to the New Mexico Oil Conservation District (NMOCD) via online portal on May 14, 2024. The release resulted in the release of approximately 38 barrels (bbls) of crude oil to the surrounding environmental media. Phillips 66 personnel shut in the pipeline to isolate the release. The line was later repaired and returned to service. Approximately ten bbls of crude oil was recovered. A copy of the Initial C-141 and other NMOCD notifications are provided in Appendix A.

## 2.0 SITE CHARACTERISTICS

### 2.1 Biological Review

A desktop review of the surrounding area showed that the site potential overlaid dunes sagebrush lizard (DSL) habitat. Tasman requested a third-party review by SWCA, who determined the site is within suitable habitat for the DSL.

### 2.2 Depth to Groundwater

The nearest well with available groundwater level data is located 0.19 miles northwest of the site, identified as L11713 POD1. On May 7, 2025, Tasman collected a direct measurement of the depth to groundwater at 64 feet below ground surface (bgs). The Site Location & Groundwater Map included as Figure 1 illustrates the location of the registered water wells within the vicinity of the site, and a summary of depth to groundwater information is provided as Appendix B.



## **2.3 Karst Potential & Subsurface Mines**

Tasman utilized the publicly available karst potential map published by the Bureau of Land Management (BLM) Carlsbad Field Office (CFO) to determine the potential for encountering karst formations beneath the site. Review of the BLM CFO karst potential map indicates that the site is not located in an area of high potential to encounter karstic features.

Tasman utilized the USGS Mineral Resources database to determine that there are no subsurface mines beneath or in the vicinity of the site.

Areas of high/critical karst and subsurface mine locations are illustrated on Figure 2.

## **2.4 Distance to Nearest Potable Water Well**

The nearest known source of potable water is NMOSE L11713 POD1, located approximately 0.19 miles from the project site. The apparent designated use of this well is for livestock watering. The location of L11713 POD1 is depicted on Figure 1.

## **2.5 Distance to Nearest Surface Water**

Tasman reviewed aerial imagery and the National Wetland Inventory Map, published by the U.S. Fish and Wildlife Service, for wetlands and surface water in the vicinity of the site. The nearest freshwater emergent wetland is located approximately 1.71 miles south of the site. The nearest significant surface water was identified as Monument Springs, located 3.8 miles from the site. The location of the nearest wetland and surface water body can be seen on Figures 1 and 3.

## **2.6 100-year Floodplain**

Review of flood map data published by the Federal Emergency Management Agency (FEMA) indicates the site is not located within a 100-year floodplain. A copy of the FEMA FIRMete Map can be found attached as Figure 4.

## **2.7 Residence, School, Hospital, or Institution**

Review of aerial imagery did not show that the site is within 300 feet of an occupied permanent residence, school, hospital, or institution.

## 2.8 Proximity to Sensitive Receptors and Site Characteristics Summary

The table below denotes if the site is located within the minimum allowable distance from a sensitive receptor, as defined in New Mexico Administrative Code (NMAC) 19.15.29.

Site Characteristics Summary		
Approximate depth to groundwater:	64 ft bgs	
Within an area of high karst potential?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of any continuously flowing of significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 200 ft. of any lakebed, sinkhole, or playa lake?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 500 ft. of a spring or private, domestic fresh water well?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 1,000 ft. of any fresh water well?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within the incorporated municipal boundaries or within a municipal well field?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within an unstable area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

## 3.0 REMEDIATION AND ASSESSMENT LEVELS

NMOCD assessment and cleanup levels for hydrocarbon and produced water releases are based on depth to groundwater and proximity to sensitive receptors as established in NMAC 19.15.29. Based on site characteristics described in Section 2.0, the NMOCD Action Levels for a site with a depth to groundwater between 50 and 100 feet bgs were utilized; these Action Levels are as follows:

Constituent	Action Level
Chloride	10,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

TPH – total petroleum hydrocarbons

DRO – diesel range organics

BTEX – benzene, toluene, ethylbenzene, total xylenes

GRO – gasoline range organics

MRO – motor/lube oil range organics

mg/kg – milligrams per kilogram

## 3.1 Reclamation Levels

NMAC 19.15.29.13(D) codifies, and the *Procedures for Implementation of the Spill Rule*, dated September 6, 2019, clarifies that the top four feet of the remediated area should be non-waste containing. Therefore, the NMOCD Reclamation Standards are applied to the top four feet of any

area impacted by a release that is not located within an active production facility. NMOCD Reclamation Standards are as follows:

Constituent	Reclamation Standard
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

## 4.0 RELEASE ASSESSMENT

On May 7, 2024, Tasman was retained by Phillips 66 to respond to a release of crude oil at the site. Initial observations indicated a disturbed area of approximately 3,377 square feet (ft<sup>2</sup>). A photographic log of the release area is included as Appendix C.

On July 24, 2024, Tasman conducted delineation activities at the site by advancing eight hand-augers (HA) outside of the apparent release area. Each hand auger soil boring was advanced to a terminal depth of eight feet bgs.

To further delineate the site, Tasman advanced six exploratory trenches—referred to as “verticals”—on July 31 and August 1, 2024. Verticals V-1 through V-3 were advanced within the existing excavation, while verticals V-5 and V-6 were positioned outside the apparent release area. Vertical V-4 was advanced as a continuation of the previously collected sample location HA-2, with sample collection beginning at a depth of 10 feet bgs. Each vertical was advanced to terminal depths ranging from 12 to 14 feet bgs.

The attached Figure 5 illustrates the observed release area and location of sample points.

### 4.1 Soil Sampling Procedures for Laboratory Analysis

The collection of soil samples for laboratory analysis was conducted in accordance with NMOCD criteria and generally approved industry standards. Collected soil samples were placed in laboratory provided containers, properly labeled, and preserved on ice pending delivery under a chain of custody form to Cardinal Laboratory in Hobbs, New Mexico.

### 4.2 Soil Analytical Methods

Each soil sample was analyzed using Environmental Protection Agency (EPA) or other NMOCD-approved methods. Laboratory analytical methods are as follows:

- Chloride – EPA Method SM4500.
- Total Petroleum Hydrocarbons (TPH) – gasoline, diesel, and motor/lube oil range organics (GRO+DRO+MRO) – EPA Method 8015M Extended.
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) – EPA Method 8021B.

### 4.3 Release Assessment Data Evaluation

Benzene and total BTEX were not detected above the laboratory reporting limits in each of the collected soil samples.

Concentrations of TPH were detected above NMOCD Action Levels in HA-2 at surface, HA-4 at surface and V-6 at 2 ft bgs, ranging from 117 milligrams per kilogram (mg/kg) to 4,257 mg/kg.

Concentrations of chlorides were detected above laboratory reporting limits in various samples, ranging from 16.0 mg/kg to 656 mg/kg. However, all concentrations were below NMOCD Action Levels.

Analytical results are summarized on Table 1 and laboratory analytical results are included as Appendix D.

## 5.0 PROPOSED REMEDIAL ACTIONS

Tasman proposes to remediate the site using physical removal of soil within the delineated area of the release. The areas surrounding HA-2 and HA-4 will be excavated to one foot bgs and the area surrounding V-6 will be excavated to two feet bgs or until field data and/or observations indicate that the impacted material will meet Action Levels. Excavated soil will be staged on-site atop a polyethylene liner pending transportation under manifest to an NMOCD approved disposal facility.

Once field data indicates that the release area has been remediated to NMOCD requirements established in Section 3.0, Tasman will collect five-point confirmation samples from the base and sidewalls of the excavation. Confirmation sampling activities and laboratory analysis will be conducted as described in Sections 4.1 and 4.2.

### 5.1 Variance Request

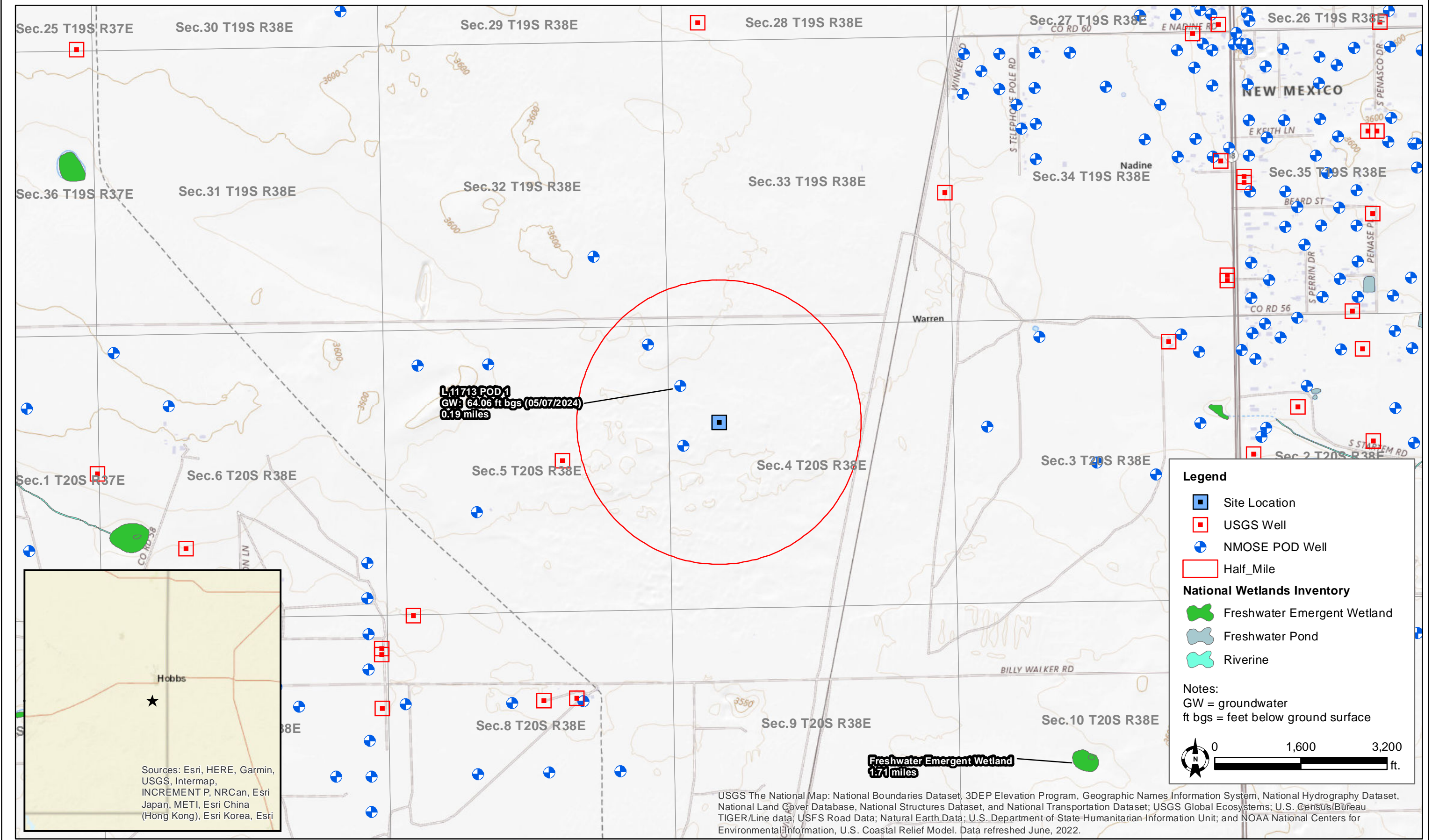
Tasman, on behalf of DCP, requests that a variance of NMAC 19.15.29.12 be granted for the collection of confirmation samples as five-point composite samples not to represent an area greater than 400 ft<sup>2</sup>.

## 6.0 PROPOSED RECLAMATION AND REVEGETATION

Upon receipt of confirmation samples that indicate remediation objectives have been met, areas affected by the release and associated remediation activities will be restored to the condition which existed prior to the release to the maximum extent possible. Excavated areas will be backfilled with non-impacted “like” material and contoured and/or compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. One five-point composite sample will be collected from the backfill source to verify suitability.



**FIGURES**



DATE:	May 2024
DESIGNED BY:	L. Flores
DRAWN BY:	L. Flores



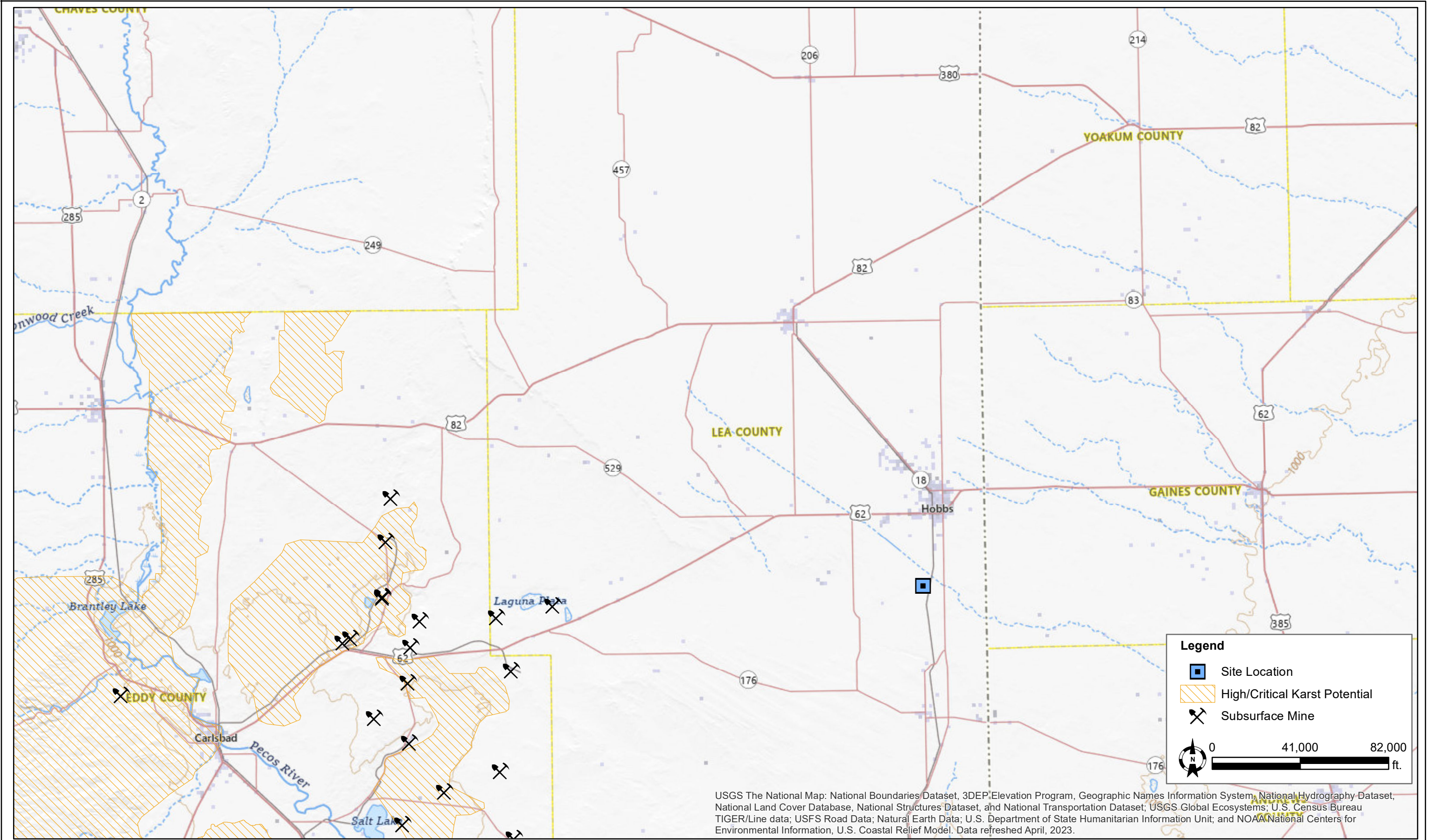
Tasman, Inc.  
W. Marland Blvd.  
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Phillips 66  
NM-35 Line Leak - nAPP2413552773  
UL "E", Sec. 4, T20S, R38E  
Lea County, New Mexico

Site Location & Groundwater  
Map

Figure  
1





DATE:	May 2024
DESIGNED BY:	L. Flores
DRAWN BY:	L. Flores



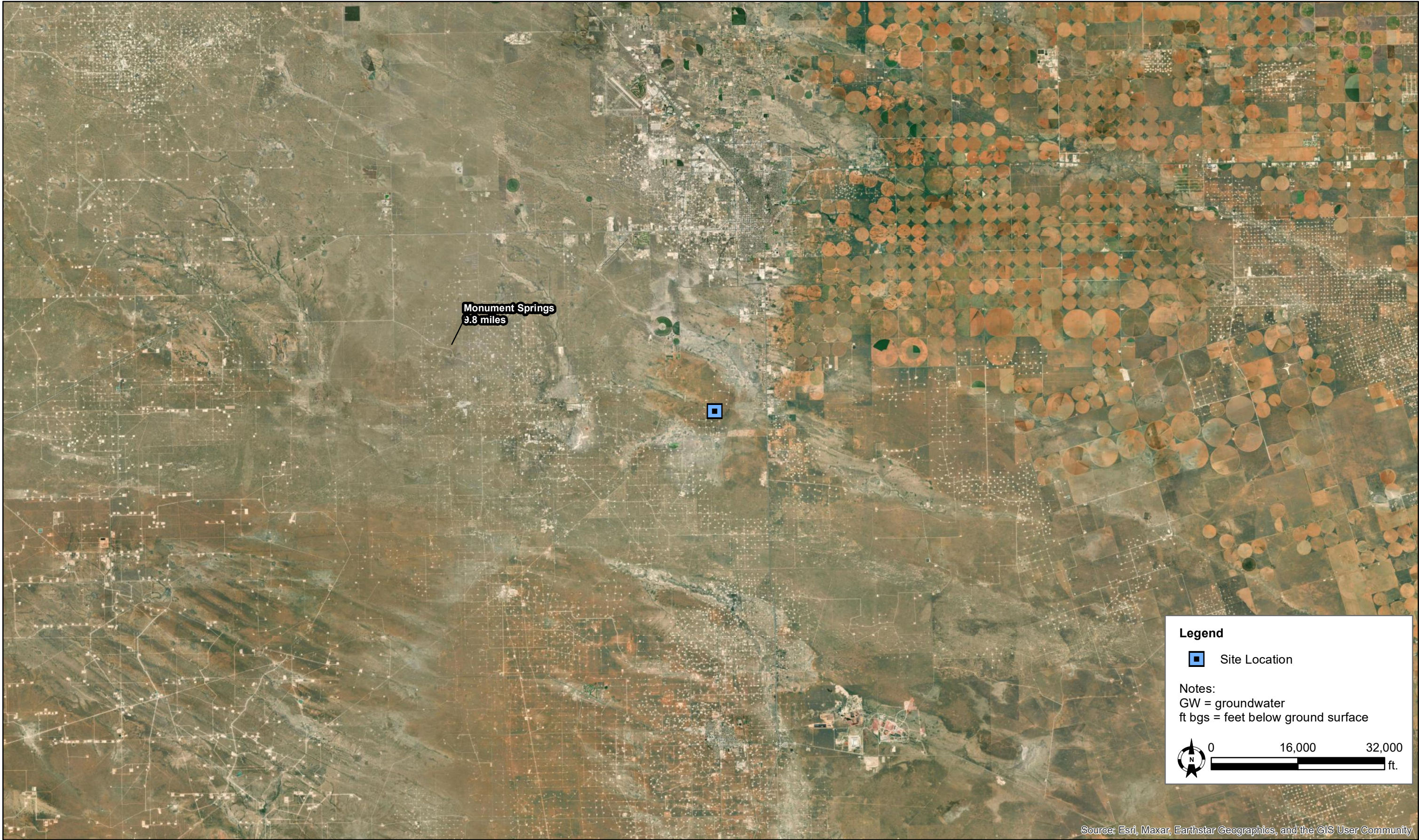
**Tasman, Inc.**  
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**Phillips 66**  
**NM-35 Line Leak - nAPP2413552773**  
UL "E", Sec. 4, T20S, R38E  
Lea County, New Mexico

Karst Potential & Subsurface  
Mine Map

Figure  
2





DATE:	May 2024
DESIGNED BY:	L. Flores
DRAWN BY:	L. Flores



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**Phillips 66**  
**NM-35 Line Leak - nAPP2413552773**  
UL "E", Sec. 4, T20S, R38E  
Lea County, New Mexico

Surface Water Map

Figure  
3



# National Flood Hazard Layer FIRMMette



103°9'52"W 32°36'31"N



1:6,000

103°9'14"W 32°36'1"N

Released to Imaging: 6/3/2025 12:38:58 PM

Basemap Imagery Source: USGS National Map 2023

## Legend

## Figure 4

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/12/2024 at 11:44 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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





DATE:	July 2024
DESIGNED BY:	K. Stark
DRAWN BY:	K. Stark



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Phillips 66, LP  
NM 35 Line Leak - nAPP2413552773  
UL "E", Sec. 4, T20S, R38E  
Lea County, New Mexico

Delineation Overview Map

Figure  
5



TABLE

**TABLE 1**  
**SOIL ANALYTICAL SUMMARY**  
**Phillips 66**  
**NM 35 Line Leak - nAPP2413552773**

Sample ID	Sample Depth (bgs)	Sample Date	Soil Status	PID (ppm)	Field Chloride (mg/kg)	Benzene (mg/kg)	Total BTEX <sup>1</sup> (mg/kg)	TPH <sup>2</sup> (mg/kg)				Chloride <sup>3</sup> (mg/kg)
								GRO	DRO	MRO	TOTAL	
Delineation Soil Samples												
HA-1	0.5'	7/24/2024	In-Situ	8.2	83	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	2'		In-Situ	3.3	117	---	---	---	---	---	---	---
	4'		In-Situ	1.0	143	---	---	---	---	---	---	---
	6'		In-Situ	0.0	152	---	---	---	---	---	---	---
	8'		In-Situ	0.0	211	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
HA-2	0.5'	7/24/2024	In-Situ	65.8	237	<0.050	<0.300	28.4	3,510	719	4,257	96.0
	2'		In-Situ	54.0	171	---	---	---	---	---	---	---
	4'		In-Situ	40.0	117	---	---	---	---	---	---	---
	6'		In-Situ	29.5	111	<0.050	<0.300	<10.0	250	42.7	293	16.0
	8'		In-Situ	17	151	<0.050	<0.300	<10.0	223	39.3	262	32.0
HA-3	0.5'	7/24/2024	In-Situ	17.2	119	---	---	---	---	---	---	---
	2'		In-Situ	2.4	89	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	4'		In-Situ	1.4	118	---	---	---	---	---	---	---
	6'		In-Situ	1.8	149	---	---	---	---	---	---	---
	8'		In-Situ	1.0	176	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
HA-4	0.5'	7/24/2024	In-Situ	26.8	87	<0.050	<0.300	<10.0	573	103	676	48.0
	2'		In-Situ	16.3	142	---	---	---	---	---	---	---
	4'		In-Situ	2.7	91	---	---	---	---	---	---	---
	6'		In-Situ	1.6	174	<0.050	<0.300	<10.0	14.7	<10.0	14.7	16.0
	8'		In-Situ	2.3	85	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
HA-5	0.5'	7/24/2024	In-Situ	0.4	151	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	2'		In-Situ	0.5	88	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	4'		In-Situ	0.3	147	---	---	---	---	---	---	---
	6'		In-Situ	0.3	121	---	---	---	---	---	---	---
	8'		In-Situ	0.4	147	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
HA-6	0.5'	7/24/2024	In-Situ	0.2	89	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	2'		In-Situ	0.6	115	---	---	---	---	---	---	---
	4'		In-Situ	0.3	141	---	---	---	---	---	---	---
	6'		In-Situ	0.5	113	---	---	---	---	---	---	---
	8'		In-Situ	0.5	148	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
NMOCD Reclamation Standards <sup>4</sup> (Applicable for soils less than 4 ft. below grade surface)				N/A	N/A	10	50	N/A			100	600
NMOCD Remediation and Delineation Standards <sup>5</sup> (Applicable for soils greater than 4 ft. below grade surface)				N/A	N/A	10	50	1,000		N/A	2,500	10,000

Sample ID	Sample Depth (bgs)	Sample Date	Soil Status	PID (ppm)	Field Chloride (mg/kg)	Benzene (mg/kg)	Total BTEX <sup>1</sup> (mg/kg)	TPH <sup>2</sup> (mg/kg)				Chloride <sup>3</sup> (mg/kg)
								GRO	DRO	MRO	TOTAL	
HA-7	0.5'	7/24/2024	In-Situ	0.2	147	---	---	---	---	---	---	---
	2'		In-Situ	0.3	150	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	4'		In-Situ	0.2	91	---	---	---	---	---	---	---
	6'		In-Situ	0.2	91	---	---	---	---	---	---	---
	8'		In-Situ	0.1	89	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
HA-8	0.5'	7/24/2024	In-Situ	0.4	91	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	2'		In-Situ	0.3	89	---	---	---	---	---	---	---
	4'		In-Situ	0.3	88	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
	6'		In-Situ	0.3	90	---	---	---	---	---	---	---
	8'		In-Situ	0.5	89	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
V-1	10'	8/1/2024	In-Situ	170	606	---	---	---	---	---	---	---
	12'		In-Situ	107	418	<0.050	<0.300	<10.0	41.2	<10.0	41.2	624
	14'		In-Situ	183	178	<0.050	<0.300	<10.0	66.1	<10.0	66.1	272
V-2	10'	8/1/2024	In-Situ	0.6	283	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	528
	12'		In-Situ	0.3	239	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	320
V-3	10'	8/1/2024	In-Situ	390	257	<0.050	<0.300	<10.0	74.9	<10.0	74.9	512
	12'		In-Situ	12.0	223	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	464
V-4	10'	8/1/2024	In-Situ	0.0	401	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	656
	12'		In-Situ	8.0	258	<0.050	<0.300	<10.0	172	22.5	195	320
V-5	0.5'	8/1/2024	In-Situ	0.8	87	---	---	---	---	---	---	---
	2'		In-Situ	0.0	116	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
	4'		In-Situ	0.0	112	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	368
V-6	0.5'	8/1/2024	In-Situ	0.0	141	---	---	---	---	---	---	---
	2'		In-Situ	1.4	120	<0.050	<0.300	<10.0	104	13.4	117	16.0
	4'		In-Situ	0.6	85	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
NMOCD Reclamation Standards <sup>4</sup> (Applicable for soils less than 4 ft. below grade surface)				N/A	N/A	10	50	N/A			100	600
NMOCD Remediation and Delineation Standards <sup>5</sup> (Applicable for soils greater than 4 ft. below grade surface)				N/A	N/A	10	50	1,000		N/A	2,500	10,000

## Notes:

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes by EPA method 8021B
  2. TPH = Total petroleum hydrocarbons analyzed by method EPA 8015M (GRO/DRO/MRO)
  3. Chloride - Analyzed by EPA method SM4500
  4. New Mexico Administrative Code (NMAC) 19.15.29.13(D) - Restoration, Reclamation, and Re-vegetation (Reclamation for areas no longer in use) for soils extending to 4 ft. below grade surface (bgs).
  5. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (NMAC 19.15.29.12(N))
- \* = Denotes discrete/grab sample
- Bold** values denote concentrations above laboratory RDL
- Red** values denote concentrations above NMOCD Action Levels

BGS = Below ground surface

GRO = Gasoline range organics

DRO = Diesel range organics

MRO = Motor/lube oil range organics

PID = Photoionization detector

--- = Sample was not analyzed for this analyte

<RDL = The analyte was not detected above the laboratory reported detection limit (RDL)

N/A = Not applicable

Ft. = Feet

**APPENDIX A – NMOCD NOTIFICATIONS**



OCD Permitting

Home    Operator Data    Action Status    Action Search Results    Action Status Item Details

[NOTIFY] Notification Of Release (NOR) Application

Submission Information

Submission ID:	344342	Districts:	Hobbs
Operator:	[17643] PHILLIPS PETROLEUM CO	Counties:	Lea
Description:	PHILLIPS PETROLEUM CO [17643] , NM-35 Pipeline Leak , nAPP2413552773		
Status:	APPROVED		
Status Date:	05/14/2024		
References (1):	nAPP2413552773		

Forms

This application type does not have attachments.

Questions

Location of Release Source

Please answer all the questions in this group.

Site Name	NM-35 Pipeline Leak
Date Release Discovered	04/30/2024
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

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

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

Crude Oil Released (bbls) Details	Cause: Repair and Maintenance   Pipeline (Any)   Crude Oil   Released: 38 BBL   Recovered: 10 BBL   Lost: 28 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.

Nature and Volume of Release (continued)

Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a “gas only” report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. “Major release” determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

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

Initial Response

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

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

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

Acknowledgments

- ☒ I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
- ☒ I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
- ☒ I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
- ☒ I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
- ☒ I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
- ☒ I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Comments

No comments found for this submission.

Conditions

Summary: knorman (5/14/2024), When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.

Reasons

No reasons found for this submission.

1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

OCD Permitting

Home    Operator Data    Action Status    Action Search Results    Action Status Item Details

[C-141] Initial C-141 (C-141-V-INITIAL) Application

Submission Information

Submission ID:	344351	Districts:	Hobbs
Operator:	[17643] PHILLIPS PETROLEUM CO	Counties:	Lea
Description:	PHILLIPS PETROLEUM CO [17643] , NM-35 Pipeline Leak , nAPP2413552773		
Status:	APPROVED		
Status Date:	05/15/2024		
References (1):	nAPP2413552773		

Forms

Attachments:	<a href="#">Volume Calculation</a>
--------------	------------------------------------

Questions

Prerequisites

Incident ID (n#)	nAPP2413552773
Incident Name	NAPP2413552773 NM-35 PIPELINE LEAK @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	NM-35 Pipeline Leak
Date Release Discovered	04/30/2024
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

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

Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

Nature and Volume of Release (continued)

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

Initial Response

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

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

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure on 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 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 operator 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 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: Ruben Herrera Title: Sr. Environmental Engineer Email: ruben.herrera@p66.com Date: 05/14/2024
----------------------------------------------------	--------------------------------------------------------------------------------------------------------------

Site Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)



Hearing Fee Application

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.

No

## Acknowledgments

## Comments

## Conditions

## Reasons


[Go Back](#)

**APPENDIX B – DEPTH TO GROUNDWATER INFORMATION**

# Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE  
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
L 11713	POD1	NW	SW	NW	04	20S	38E	672531.8	3609138.5	

\* UTM location was derived from PLSS - see Help

Driller License:	1597	Driller Company:	KITCHENS CORROSION CONTROL INC		
Driller Name:	STARK, DARRIN				
Drill Start Date:	2005-10-28	Drill Finish Date:	2005-10-28	Plug Date:	
Log File Date:	2006-01-20	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	25
Casing Size:	5.00	Depth Well:	62	Depth Water:	30

## Water Bearing Stratifications:

Top	Bottom	Description
39	48	Sandstone/Gravel/Conglomerate
48	62	Other/Unknown

## Casing Perforations:

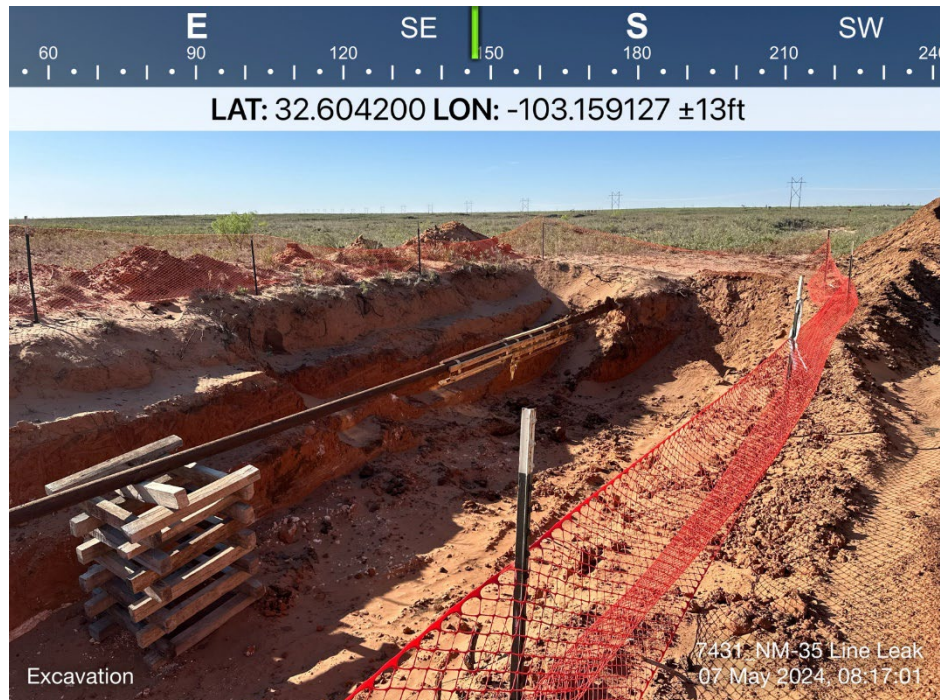
Top	Bottom
42	62

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

**APPENDIX C – PHOTOGRAPHIC LOG**

DCP Operating Company, LP

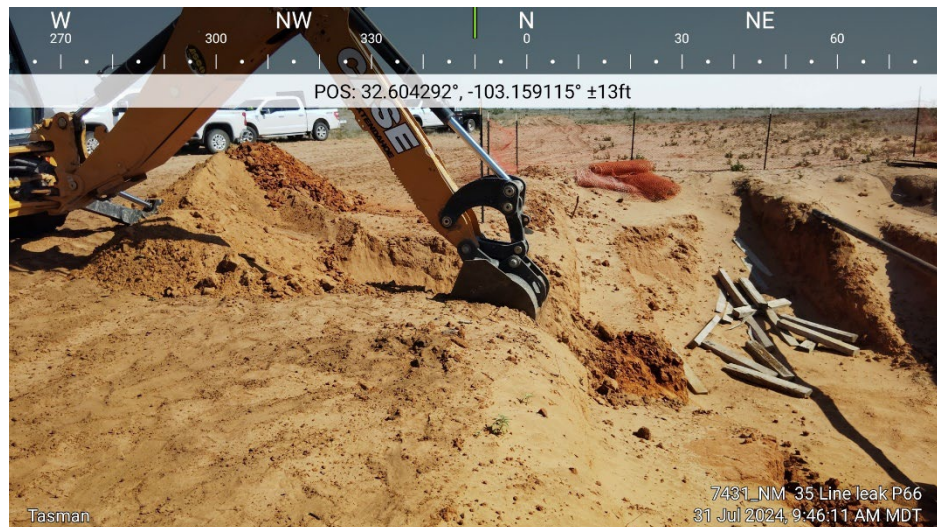
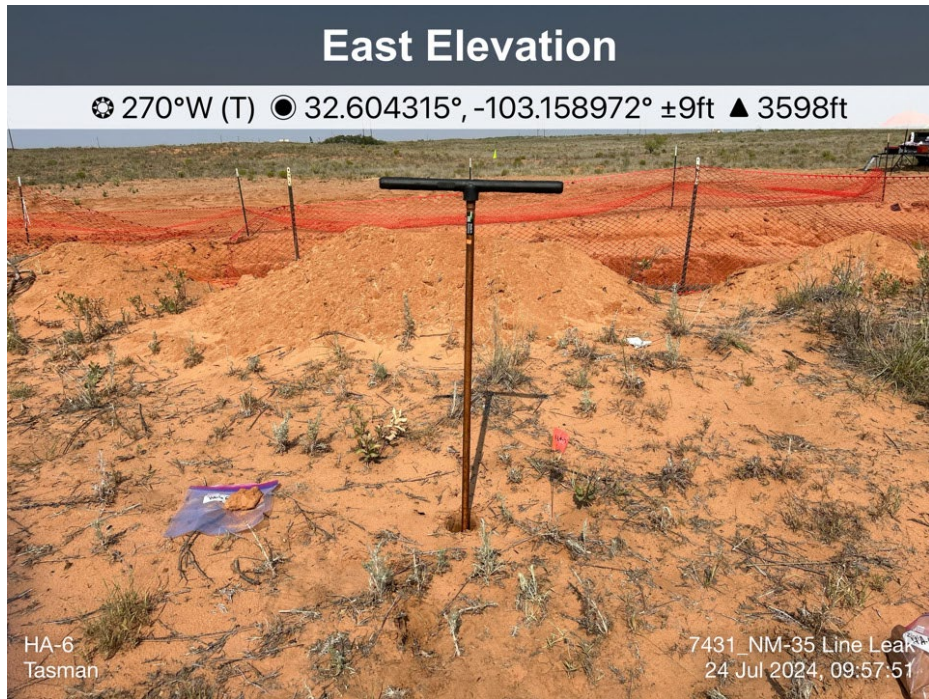
NM-35 Line Leak – nAPP2413552773





DCP Operating Company, LP

NM-35 Line Leak – nAPP2413552773





**APPENDIX D – CERTIFIED LABORATORY ANALYTICAL REPORT**



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

---

July 29, 2024

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 7431\_NM-35 LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 07/24/24 14:21.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 1 @ 0-0.5' (H244399-01)**

BTEX 8021B		mg/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	1.99	99.3	2.00	0.0784	
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922	
Total BTEX	<0.300	0.300	07/25/2024	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	<16.0	16.0	07/25/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	220	110	200	2.47	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	193	96.4	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 1 @ 8' (H244399-05)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784	
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	96.0	16.0	07/25/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	220	110	200	2.47	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	193	96.4	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 2 @ 0-0.5' (H244399-06)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784	GC-NC	
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922		
Total BTEX	<0.300	0.300	07/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	96.0	16.0	07/25/2024	ND	448	112	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*	28.4	10.0	07/25/2024	ND	220	110	200	2.47	
DRO >C10-C28*	3510	10.0	07/25/2024	ND	193	96.4	200	2.55	
EXT DRO >C28-C36	719	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 175 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 2 @ 6' (H244399-09)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784	
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922	
Total BTEX	<0.300	0.300	07/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/25/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	250	10.0	07/25/2024	ND	206	103	200	4.68	QM-07
EXT DRO >C28-C36	42.7	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 69.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 2 @ 8' (H244399-10)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	1.99	99.3	2.00	0.0784	
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922	
Total BTX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	32.0	16.0	07/25/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	223	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	39.3	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 3 @ 2' (H244399-12)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784		
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922		
Total BTEx	<0.300	0.300	07/25/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/25/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 3 @ 8' (H244399-15)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784	
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922	
Total BTX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	32.0	16.0	07/25/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 4 @ 0-0.5' (H244399-16)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784		
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922		
Total BTEX	<0.300	0.300	07/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	48.0	16.0	07/25/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	573	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	103	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 4 @ 6' (H244399-19)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784	
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922	
Total BTEx	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/25/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	14.7	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 4 @ 8' (H244399-20)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784		
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922		
Total BTEX	<0.300	0.300	07/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	32.0	16.0	07/25/2024	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	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 5 @ 0-0.5' (H244399-21)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784		
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922		
Total BTEX	<0.300	0.300	07/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	<16.0	16.0	07/25/2024	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	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 5 @ 2' (H244399-22)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784	
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922	
Total BTX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	16.0	16.0	07/25/2024	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	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 5 @ 8' (H244399-25)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784		
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922		
Total BTEX	<0.300	0.300	07/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	32.0	16.0	07/25/2024	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	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 6 @ 0-0.5' (H244399-26)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784		
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922		
Total BTEX	<0.300	0.300	07/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	16.0	16.0	07/25/2024	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	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 6 @ 8' (H244399-30)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784	
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	<16.0	16.0	07/25/2024	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	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 7 @ 2' (H244399-32)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784	
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	<16.0	16.0	07/25/2024	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	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 7 @ 8' (H244399-35)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784		
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922		
Total BTEx	<0.300	0.300	07/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/25/2024	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	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 8 @ 0-0.5' (H244399-36)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784		
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922		
Total BTEX	<0.300	0.300	07/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	<16.0	16.0	07/25/2024	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	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 8 @ 4' (H244399-38)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784		
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922		
Total BTEx	<0.300	0.300	07/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/25/2024	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	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 07/24/2024  
 Reported: 07/29/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431  
 Project Location: PHILLIP 66

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: HA - 8 @ 8' (H244399-40)**

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	07/25/2024	ND	1.99	99.3	2.00	0.0784	
Toluene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	0.0620	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.97	98.7	2.00	0.529	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.85	97.5	6.00	0.922	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	16.0	16.0	07/25/2024	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	07/25/2024	ND	210	105	200	0.251	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	206	103	200	4.68	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

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



2 of 4



**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603  
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences										BILL TO			ANALYSIS REQUEST											
Project Manager: Kyle Norman										P.O. #:			TPH 8015 Ext	BTEX	Chlorides	Hold	24-hr Rush	48-Hr Rush						
Address: 2620 W. Marland Blvd.										Company: Tasman Geo														
City: Hobbs State: NM Zip: 88240										Attn: Kyle Norman														
Phone #: 575-318-5017 Fax #:										Address: 2620 W. Marland														
Project #: 7431 Project Owner: DCP Midstream										City: Hobbs														
Project Name: 7431_NM-35 Line Leak										State: NM Zip: 88240														
Project Location: Phillip 66										Phone #: 575-318-5017														
Sampler Name:										Fax #:														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						PRESERV.		SAMPLING												
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL ✓	OTHER :	DATE	TIME										
11244399																								
11	HA-3 @ 0-0.5'	G	1			X				X				7/24/24	9:50				X					
12	HA-3 @ 2'	G	1			X				X				7/24/24	9:52	X	X	X						
13	HA-3 @ 4'	G	1			X				X				7/24/24	9:54				X					
14	HA-3 @ 6'	G	1			X				X				7/24/24	9:56				X					
15	HA-3 @ 8'	G	1			X				X				7/24/24	9:58	X	X	X						
16	HA-4 @ 0-0.5'	G	1			X				X				7/24/24	10:00	X	X	X						
17	HA-4 @ 2'	G	1			X				X				7/24/24	10:02				X					
18	HA-4 @ 4'	G	1			X				X				7/24/24	10:04				X					
19	HA-4 @ 6'	G	1			X				X				7/24/24	10:06	X	X	X						
20	HA-4 @ 8'	G	1			X				X				7/24/24	10:08	X	X	X						

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Relinquished By: <i>Benjamin May</i>	Date: <i>7/24/24</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: <i>1421</i>	<i>Andrew</i>	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		email results: NMDData@tasman-geo.com; Herrera, Ruben <Ruben.Herrera@p66.com> Case, Nicholas L <Nicholas.L.Case@p66.com> Weathers, Stephen <Stephen.Weathers@p66.com>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	<i>-2.1c</i> <i>#146</i>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <i>BP</i>	

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Relinquished By:	Date: 1/24/24	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Time: 11:21	Time: 11:21	Time: 11:21	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
Time:	Time:	Time:	email results: NMDData@tasman-geo.com; Herrera, Ruben	
Delivered By: (Circle One)	- 2.1c	Sample Condition Cool	Case, Nicholas	
Sampler - UPS - Bus - Other:	# 140	Intact	Weathers,	
		<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes	Stephen <Stephen.Weathers@p66.com>	
		<input type="checkbox"/> No <input type="checkbox"/> No	L <Nicholas.L.Case@p66.com>	
			Stephen <Stephen.Weathers@p66.com>	

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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
<i>Bianca Ayala</i>	Time:	<i>Aspuras</i>	Fax Result:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:		
	Time:		email results: NMDData@tasman-geo.com; Herrera, Ruben		
			<Ruben.Herrera@p66.com> Case, Nicholas		
			L <Nicholas.L.Case@p66.com> Weathers,		
			Stephen <Stephen.Weathers@p66.com>		
Delivered By: (Circle One)	Sample Condition Cool		CHECKED BY:		
Sampler - UPS - Bus - Other:	Intact		(Initials)		
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

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

---

August 07, 2024

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 7431\_NM-35 LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 08/01/24 14:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 08/01/2024  
 Reported: 08/07/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431\_NM 35 ( P66 )  
 Project Location: PHILLIP 66

Sampling Date: 07/31/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 1 @ 12' (H244624-02)**

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	08/05/2024	ND	2.05	102	2.00	5.52	
Toluene*	<0.050	0.050	08/05/2024	ND	1.97	98.5	2.00	5.38	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.08	104	2.00	5.39	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.09	101	6.00	4.95	
Total BTEX	<0.300	0.300	08/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	624	16.0	08/06/2024	ND	432	108	400	3.64		

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	08/05/2024	ND	197	98.4	200	3.03	
DRO >C10-C28*	41.2	10.0	08/05/2024	ND	211	106	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 08/01/2024  
 Reported: 08/07/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431\_NM 35 ( P66 )  
 Project Location: PHILLIP 66

Sampling Date: 07/31/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 1 @ 14' (H244624-03)**

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	08/05/2024	ND	2.05	102	2.00	5.52	
Toluene*	<0.050	0.050	08/05/2024	ND	1.97	98.5	2.00	5.38	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.08	104	2.00	5.39	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.09	101	6.00	4.95	
Total BTEX	<0.300	0.300	08/05/2024	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	272	16.0	08/06/2024	ND	432	108	400	3.64		

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	08/05/2024	ND	197	98.4	200	3.03	
DRO >C10-C28*	66.1	10.0	08/05/2024	ND	211	106	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 08/01/2024  
 Reported: 08/07/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431\_NM 35 ( P66 )  
 Project Location: PHILLIP 66

Sampling Date: 07/31/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 2 @ 10' (H244624-04)**

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	08/05/2024	ND	2.05	102	2.00	5.52		
Toluene*	<0.050	0.050	08/05/2024	ND	1.97	98.5	2.00	5.38		
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.08	104	2.00	5.39		
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.09	101	6.00	4.95		
Total BTEX	<0.300	0.300	08/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	528	16.0	08/06/2024	ND	432	108	400	3.64		

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	08/05/2024	ND	197	98.4	200	3.03	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	211	106	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 08/01/2024  
 Reported: 08/07/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431\_NM 35 ( P66 )  
 Project Location: PHILLIP 66

Sampling Date: 07/31/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 2 @ 12' (H244624-05)**

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	08/05/2024	ND	2.05	102	2.00	5.52		
Toluene*	<0.050	0.050	08/05/2024	ND	1.97	98.5	2.00	5.38		
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.08	104	2.00	5.39		
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.09	101	6.00	4.95		
Total BTEX	<0.300	0.300	08/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	320	16.0	08/06/2024	ND	432	108	400	3.64		

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	08/05/2024	ND	197	98.4	200	3.03	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	211	106	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 08/01/2024  
 Reported: 08/07/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431\_NM 35 ( P66 )  
 Project Location: PHILLIP 66

Sampling Date: 07/31/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 3 @ 10' (H244624-06)**

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	08/05/2024	ND	2.05	102	2.00	5.52	
Toluene*	<0.050	0.050	08/05/2024	ND	1.97	98.5	2.00	5.38	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.08	104	2.00	5.39	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.09	101	6.00	4.95	
Total BTX	<0.300	0.300	08/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	512	16.0	08/06/2024	ND	432	108	400	3.64	

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	08/05/2024	ND	197	98.4	200	3.03	
DRO >C10-C28*	74.9	10.0	08/05/2024	ND	211	106	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 08/01/2024  
 Reported: 08/07/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431\_NM 35 ( P66 )  
 Project Location: PHILLIP 66

Sampling Date: 07/31/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 3 @ 12' (H244624-07)**

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	08/05/2024	ND	2.05	102	2.00	5.52		
Toluene*	<0.050	0.050	08/05/2024	ND	1.97	98.5	2.00	5.38		
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.08	104	2.00	5.39		
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.09	101	6.00	4.95		
Total BTEX	<0.300	0.300	08/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	464	16.0	08/06/2024	ND	432	108	400	3.64		

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	08/05/2024	ND	197	98.4	200	3.03	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	211	106	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 08/01/2024  
 Reported: 08/07/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431\_NM 35 ( P66 )  
 Project Location: PHILLIP 66

Sampling Date: 08/01/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 4 @ 10' (H244624-08)**

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	08/05/2024	ND	2.05	102	2.00	5.52		
Toluene*	<0.050	0.050	08/05/2024	ND	1.97	98.5	2.00	5.38		
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.08	104	2.00	5.39		
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.09	101	6.00	4.95		
Total BTEx	<0.300	0.300	08/05/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	08/06/2024	ND	432	108	400	3.64	

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	08/05/2024	ND	197	98.4	200	3.03	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	211	106	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 08/01/2024  
 Reported: 08/07/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431\_NM 35 ( P66 )  
 Project Location: PHILLIP 66

Sampling Date: 08/01/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 4 @ 12' (H244624-09)**

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	08/05/2024	ND	2.05	102	2.00	5.52	
Toluene*	<0.050	0.050	08/05/2024	ND	1.97	98.5	2.00	5.38	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.08	104	2.00	5.39	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.09	101	6.00	4.95	
Total BTX	<0.300	0.300	08/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	320	16.0	08/06/2024	ND	432	108	400	3.64	

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	08/05/2024	ND	197	98.4	200	3.03	
DRO >C10-C28*	172	10.0	08/05/2024	ND	211	106	200	14.1	
EXT DRO >C28-C36	22.5	10.0	08/05/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 08/01/2024  
 Reported: 08/07/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431\_NM 35 ( P66 )  
 Project Location: PHILLIP 66

Sampling Date: 08/01/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 5 @ 2' (H244624-11)**

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	08/05/2024	ND	2.05	102	2.00	5.52	
Toluene*	<0.050	0.050	08/05/2024	ND	1.97	98.5	2.00	5.38	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.08	104	2.00	5.39	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.09	101	6.00	4.95	
Total BTX	<0.300	0.300	08/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	32.0	16.0	08/06/2024	ND	432	108	400	3.64	

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	08/05/2024	ND	197	98.4	200	3.03	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	211	106	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 08/01/2024  
 Reported: 08/07/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431\_NM 35 ( P66 )  
 Project Location: PHILLIP 66

Sampling Date: 08/01/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 5 @ 4' (H244624-12)**

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	08/05/2024	ND	2.05	102	2.00	5.52		
Toluene*	<0.050	0.050	08/05/2024	ND	1.97	98.5	2.00	5.38		
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.08	104	2.00	5.39		
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.09	101	6.00	4.95		
Total BTEX	<0.300	0.300	08/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	368	16.0	08/06/2024	ND	432	108	400	3.64		

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	08/05/2024	ND	197	98.4	200	3.03	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	211	106	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					

Surrogate: 1-Chlorooctane 60.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 08/01/2024  
 Reported: 08/07/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431\_NM 35 ( P66 )  
 Project Location: PHILLIP 66

Sampling Date: 07/31/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 6 @ 2' (H244624-14)**

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	08/05/2024	ND	2.05	102	2.00	5.52	
Toluene*	<0.050	0.050	08/05/2024	ND	1.97	98.5	2.00	5.38	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.08	104	2.00	5.39	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.09	101	6.00	4.95	
Total BTEX	<0.300	0.300	08/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	16.0	16.0	08/06/2024	ND	432	108	400	3.64		

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	08/05/2024	ND	197	98.4	200	3.03	
DRO >C10-C28*	104	10.0	08/05/2024	ND	211	106	200	14.1	
EXT DRO >C28-C36	13.4	10.0	08/05/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TASMAN GEOSCIENCES  
 KYLE NORMAN  
 6899 PECOS ST. UNIT C  
 DENVER CO, 80221  
 Fax To:

Received: 08/01/2024  
 Reported: 08/07/2024  
 Project Name: 7431\_NM-35 LINE LEAK  
 Project Number: 7431\_NM 35 ( P66 )  
 Project Location: PHILLIP 66

Sampling Date: 07/31/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 6 @ 4' (H244624-15)**

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	08/05/2024	ND	2.35	118	2.00	6.84		
Toluene*	<0.050	0.050	08/05/2024	ND	2.45	123	2.00	7.34		
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.66	133	2.00	9.05		
Total Xylenes*	<0.150	0.150	08/05/2024	ND	7.95	132	6.00	8.72		
Total BTEX	<0.300	0.300	08/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	64.0	16.0	08/06/2024	ND	432	108	400	3.64		

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	08/05/2024	ND	197	98.4	200	3.03	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	211	106	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					

Surrogate: 1-Chlorooctane 68.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager



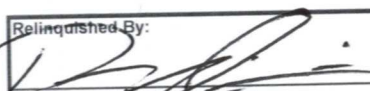
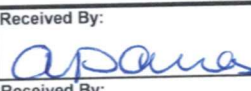

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603  
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences										BILL TO			ANALYSIS REQUEST																										
Project Manager: Kyle Norman										P.O. #:			TPH 8015 Ext BTEX Chlorides Hold 24-hr Rush																										
Address: 2620 W. Marland Blvd.										Company: Tasman Geo																													
City: Hobbs State: NM Zip: 88240										Attn: Kyle Norman																													
Phone #: 575-318-5017 Fax #:										Address: 2620 W. Marland																													
Project #: 7431_NM 35 Project Owner: DCP Operating Company										City: Hobbs																													
Project Name: 7431_NM 35 Line Leak (P66)										State: NM Zip: 88240																													
Project Location:										Phone #: 575-318-5017																													
Sampler Name: Osiris Primero										Fax #:																													
FOR LAB USE ONLY										MATRIX			PRESERV.		SAMPLING																								
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE		ICE / COOL		OTHER :		DATE		TIME											
H241024		V-1 @ 10'		C		1						X										X				7/31/24		10:15											
2		V-1 @ 12'		C		1						X										X				7/31/24		10:45		X X X									
3		V-1 @ 14'		C		1						X										X				7/31/24		11:15		X X X									
4		V-2 @ 10'		C		1						X										X				7/31/24		1:15		X X X									
5		V-2 @ 12'		C		1						X										X				7/31/24		1:25		X X X									
6		V-3 @ 10'		C		1						X										X				7/31/24		2:35		X X X									
7		V-3 @ 12'		C		1						X										X				7/31/24		2:45		X X X									
8		V-4 @ 10'		C		1						X										X				8/01/24		9:30		X X X									
9		V-4 @ 12'		C		1						X										X				8/01/24		9:55		X X X									
10		V-5 @ 0.5'		C		1						X										X				8/01/24		10:10		X									

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Relinquished By: 	Date: 8-1-24 Time: 12:15	Received By: 	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #: Add'l Fax #:
Relinquished By:	Date: Time:	Received By:	REMARKS: email results: NMData@tasman-geo.com ; Albert.L.Hyman@p66.com oprimer@tasman-geo.com ; LFlores@tasman-geo.com; KNorman@tasman-geo.com; BDennis@tasman.com	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	59c #140	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) 	





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101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603  
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

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Oil Conservation Division  
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QUESTIONS

Action 466616

QUESTIONS

Operator: PHILLIPS PETROLEUM CO 411 S. Keeler Ave. #207 AB Bartlesville, OK 74006	OGRID: 17643
	Action Number: 466616
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2413552773
Incident Name	NAPP2413552773 NM-35 PIPELINE LEAK @ 0
Incident Type	Oil Release
Incident Status	Remediation Plan Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	NM-35 Pipeline Leak
Date Release Discovered	04/30/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
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	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Repair and Maintenance   Pipeline (Any)   Crude Oil   Released: 38 BBL   Recovered: 10 BBL   Lost: 28 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 466616

**QUESTIONS (continued)**

Operator: PHILLIPS PETROLEUM CO 411 S. Keeler Ave. #207 AB Bartlesville, OK 74006	OGRID: 17643
	Action Number: 466616
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

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

**Initial Response**

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

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

*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	<b>Name: Ruben Herrera</b> <b>Title: Sr. Environmental Engineer</b> <b>Email: ruben.herrera@p66.com</b> <b>Date: 05/14/2024</b>
----------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------

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QUESTIONS, Page 3

Action 466616

**QUESTIONS (continued)**

Operator: PHILLIPS PETROLEUM CO 411 S. Keeler Ave. #207 AB Bartlesville, OK 74006	OGRID: 17643
	Action Number: 466616
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

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

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	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
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	656
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	4257
GRO+DRO (EPA SW-846 Method 8015M)	3538
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	08/04/2025
On what date will (or did) the final sampling or liner inspection occur	09/01/2025
On what date will (or was) the remediation complete(d)	09/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	5000
What is the estimated volume (in cubic yards) that will be reclaimed	630
What is the estimated surface area (in square feet) that will be remediated	5000
What is the estimated volume (in cubic yards) that will be remediated	850
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 466616

**QUESTIONS (continued)**

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**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<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: Stephen Weathers Title: P66 Program manager Email: <a href="mailto:stephen.weathers@p66.com">stephen.weathers@p66.com</a> Date: 05/23/2025
<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>	



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QUESTIONS, Page 5

Action 466616

QUESTIONS (continued)

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QUESTIONS

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

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Action 466616

**QUESTIONS (continued)**

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	Action Number: 466616
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

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

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

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CONDITIONS

Action 466616

CONDITIONS

Operator: PHILLIPS PETROLEUM CO 411 S. Keeler Ave. #207 AB Bartlesville, OK 74006	OGRID: 17643
	Action Number: 466616
	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. Please, include in the closure report evidence of the direct measurement of L11713 POD1. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	6/3/2025
scott.rodgers	The variance request for the collection of confirmation samples as five-point composite samples not to represent an area greater than 400 ft2 is approved.	6/3/2025