

20200 EXT. LINE Remediation Action Plan

NMOCD Incident No. nAPP2420056258
UL "D", Sec. 24, T23S, R31E
32.675955 -103.790129
Eddy County, New Mexico

July 30, 2025



PREPARED ON BEHALF OF

DCP Operating Company, LP
6900 E. Layton Ave,
Suite 900
Denver, CO 80237



PREPARED BY

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





July 30, 2025

DCP Operating Company, LP
6900 E. Layton Ave., Suite 900
Denver, Colorado 80237

Attn: Mr. Nicholas Case
Email: Nicholas.l.case@p66.com

Re: Remediation Action Plan
20200 Ext. Line
UL "D", Section 24, Township 23 South, Range 31 East
Lea County, New Mexico
NMOCD Incident No. nAPP2420056258
Tasman Project No. 7845

Dear Mr. Case,

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 release of natural gas and natural gas condensate to the environment.

Tasman conducted initial assessment activities, identifying an approximately 553 square foot area that had been impacted by the release and an additional 2,025 square foot area affected by overspray. The release area was then vertically, and horizontally delineated. Based on laboratory analytical results from soil samples collected during assessment 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 DCP Operating Company, LP. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Sincerely,
Tasman, Inc.

Kendon Stark
Junior Project Manager
bdennis@tasman-geo.com

Brett Dennis
Program Manager
brett@tasman-geo.com

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20200 Ext. Line - nAPP2420056258
Remediation Action Plan



1.0 INTRODUCTION

Tasman Inc. (Tasman) is pleased to submit this Remediation Action Plan for the 20200 Ext. Line (site) on behalf of DCP Operating Company, LP (DCP), documenting the results of field activities conducted in response to a release of produced water to environmental media.

1.1 Site Description

The site is located in Unit Letter "D" of Section 24, Township 23 South, Range 31 East in Eddy County, New Mexico. The release occurred from the 20200 Ext. produced water pipeline. The release occurred on Bureau of Land Management (BLM) property.

1.2 Release Detail and Initial Response

On July 17, 2024, the 20200 Ext. pipeline was discovered by DCP personnel to have failed due to blowout. On July 18, 2024, DCP provided notice of release to the NMOCD portal and to the BLM by email. The release resulted in the loss of approximately 7 barrels (bbls) of produced water to the surrounding environmental media. DCP personnel shut in the pipeline to isolate the release. The line was later repaired and returned to service. No produced water was recovered.

A copy of the NMOCD notifications are provided in Appendix A.

2.0 SITE CHARACTERISTICS

2.1 Depth to Groundwater

Tasman reviewed available depth to groundwater information available through the New Mexico Office of the State Engineer (NMOSE) and the United States Geologic Survey (USGS) for registered water wells within a half-mile radius of the site. The nearest available groundwater level data is located 0.23 miles southwest of the site, identified as C-04774 POD 1. The soil bore was advanced in 2023 with no measured groundwater at a total depth of 105 feet below ground surface (ft 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.



2.2 Karst Potential & Subsurface Mines

Tasman utilized the publicly available karst potential map published by the 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 located in an area of low 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.

2.3 Distance to Nearest Potable Water Well

The nearest potable water well is assumed to be C-3749 POD 1, located 2.14 miles from the site. Tasman did not visually confirm the presence of the well. The location of C-3749 POD 1 is shown on the attached Figure 1.

2.4 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 wetland, a freshwater pond, is located approximately 2.62 miles from the site. The nearest significant surface water was identified as Poker Lake, located 7.70 miles from the site. The location of the nearest surface water body can be seen on Figures 1 and 3.

2.5 100-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.

2.6 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.



2.7 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:	>105 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 ACTION 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 of greater than 100 feet bgs were utilized; these Action Levels are as follows:

Constituent	Remediation Action Level
Chloride	20,000 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 July 18, 2024, Tasman was retained by DCP to respond to a release of produced water at the site. Initial observations indicated a release area of approximately 553 square feet (ft²) and an overspray area of 2,025 ft². A photographic log of the release area is included as Appendix C. Three soil borings (HA-1 through HA-3) were advanced by hand auger. The collected samples were field screened using a photoionization detector for the presence of volatile organic compounds and field titration kit for chlorides.

On July 18 and 22, 2024, Tasman advanced 11 additional soil borings using hand augers (HA-1 through HA-8) to delineate the release area. Three hand augers were advanced on July 18 and designated HA-1, HA-2, and HA-3. When Tasman returned to the site on July 22, three additional borings were also designated HA-1, HA-2, and HA-3. Although the same naming convention was used, the July 22 locations are distinct from those advanced on July 18 and are noted as such in the attached appendices. All hand augers were advanced to a depth of 4 feet below ground surface (bgs).

The attached Figure 5 illustrates the observed release and location and date of soil sample locations.



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) methods 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 Area Assessment Data Evaluation

Concentrations of benzene were not detected above Action Levels in any of the collected soil samples. Concentrations of benzene ranged from 0.095 milligrams per kilogram (mg/kg) to 0.774 mg/kg.

Concentrations of total BTEX were detected above Action Levels in soil sample HA-3 (7/18/2024) at 0.5 ft bgs (52.6 mg/kg). Concentrations of total BTEX below Action Levels ranged from 8.99 mg/kg to 9.67 mg/kg.

Concentrations of total TPH were detected above Action Levels in soil samples HA-1 (7/18/2024) at 0.5 ft bgs (37,470 mg/kg), HA-2 (7/18/2024) at 0.5 ft bgs (84,548 mg/kg), HA-3 (7/18/2024) at 0.5 ft bgs (59,870 mg/kg). The remaining samples did not exhibit concentrations of total TPH above Laboratory Reporting Limit (RL).

Concentrations of chlorides were detected above Action Levels in soil samples HA-1(7/18/2024) at 0.5 ft bgs (1,040 mg/kg), HA-2 (7/18/2024) at 0.5 ft bgs (28,400 mg/kg), HA-3 (7/18/2024) at 0.5 ft bgs (736 mg/kg). The remaining samples exhibited concentrations of chlorides ranging from 16.0 mg/kg to 32.0 mg/kg.

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 area surrounding HA-1, HA-2 and HA-3, that were collected July 18, 2024, will be excavated to a depth of approximately 2 ft bgs. 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 Remediation Levels 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

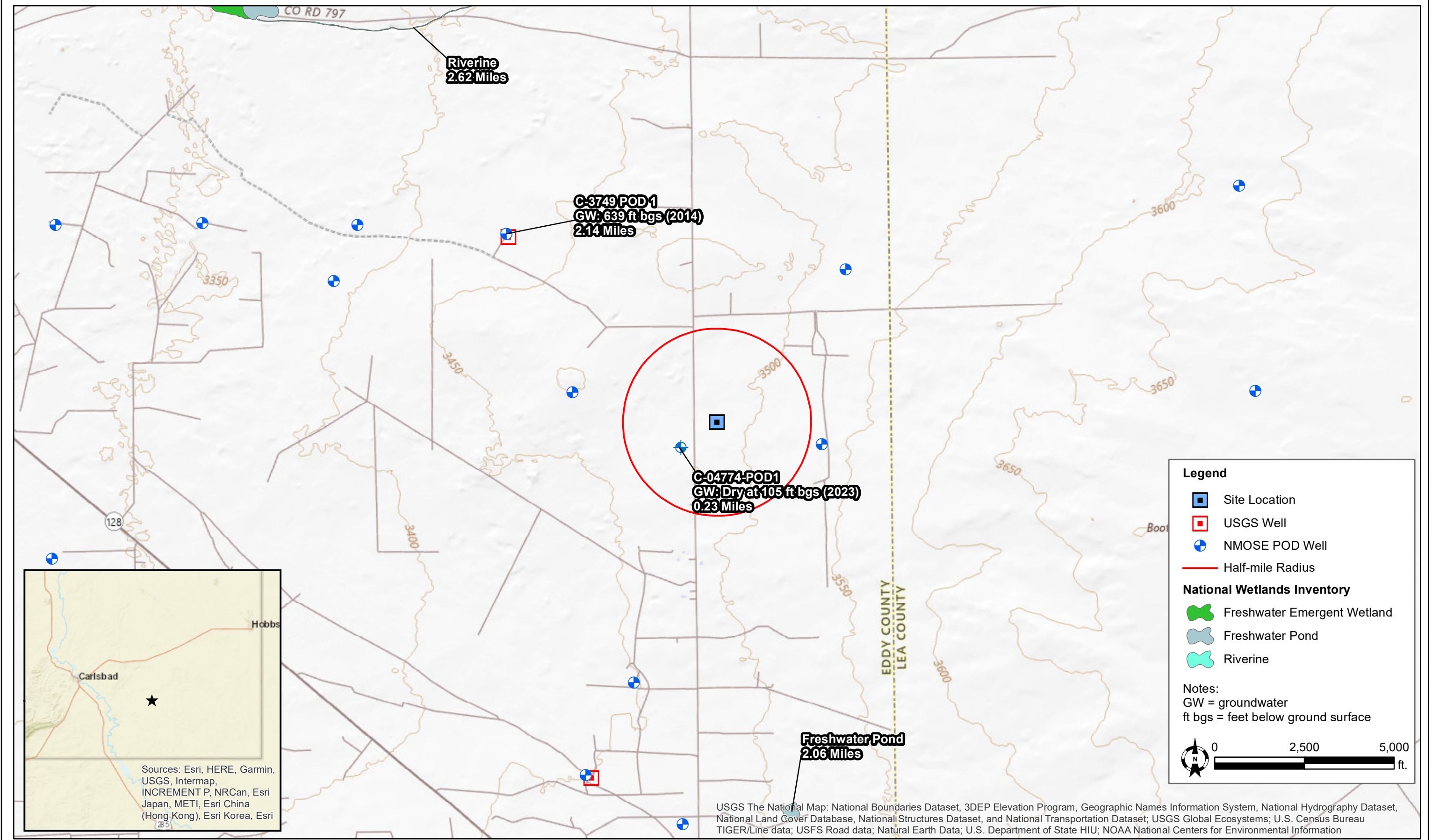
Tasman, on behalf of DCP, requests that a variance of NMAC 19.15.29.12 be granted for the collection of confirmation samples as five-point composite samples not to represent an area greater than 400 ft².


6.0 PROPOSED RECLAMATION AND REVEGETATION

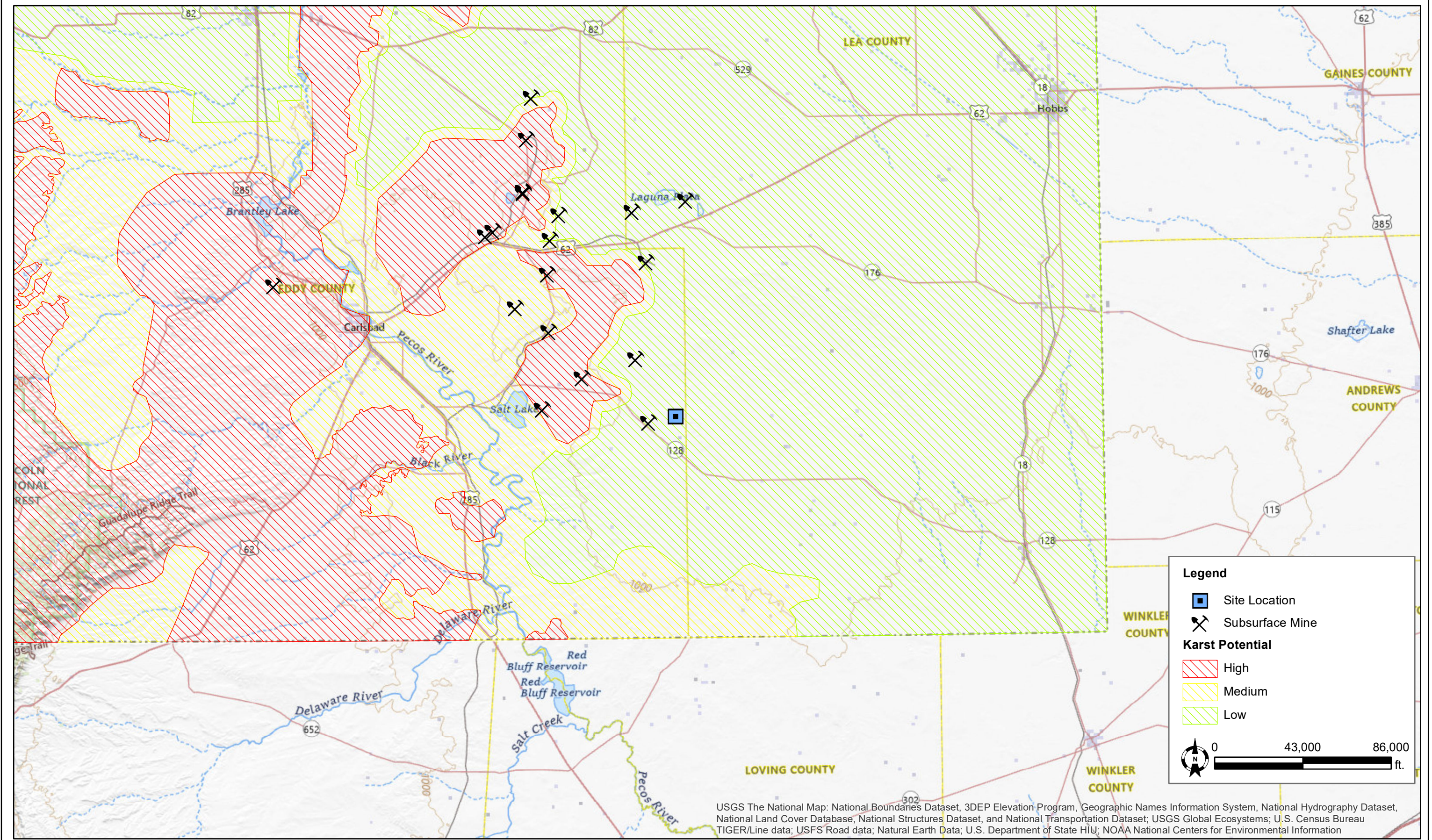
Upon receipt of confirmation samples that indicate remediation objectives have been met, areas affected by the release and associated remediation activities will be restored to the condition which existed prior to the release to the maximum extent possible. Excavated areas will be backfilled with non-impacted "like" material and contoured and/or compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable.


The BLM (surface owner) will be consulted for their preference in native seed mix. Upon BLM approval, Tasman will seed the area using the approved seed mixture during the next favorable growing season. The seed mix will be broadcast at a rate two times the suggested amount to ensure the greatest likelihood for sufficient germination. The seed will be "set" using mechanical means (e.g., screen or disc harrow) following the seeding event.

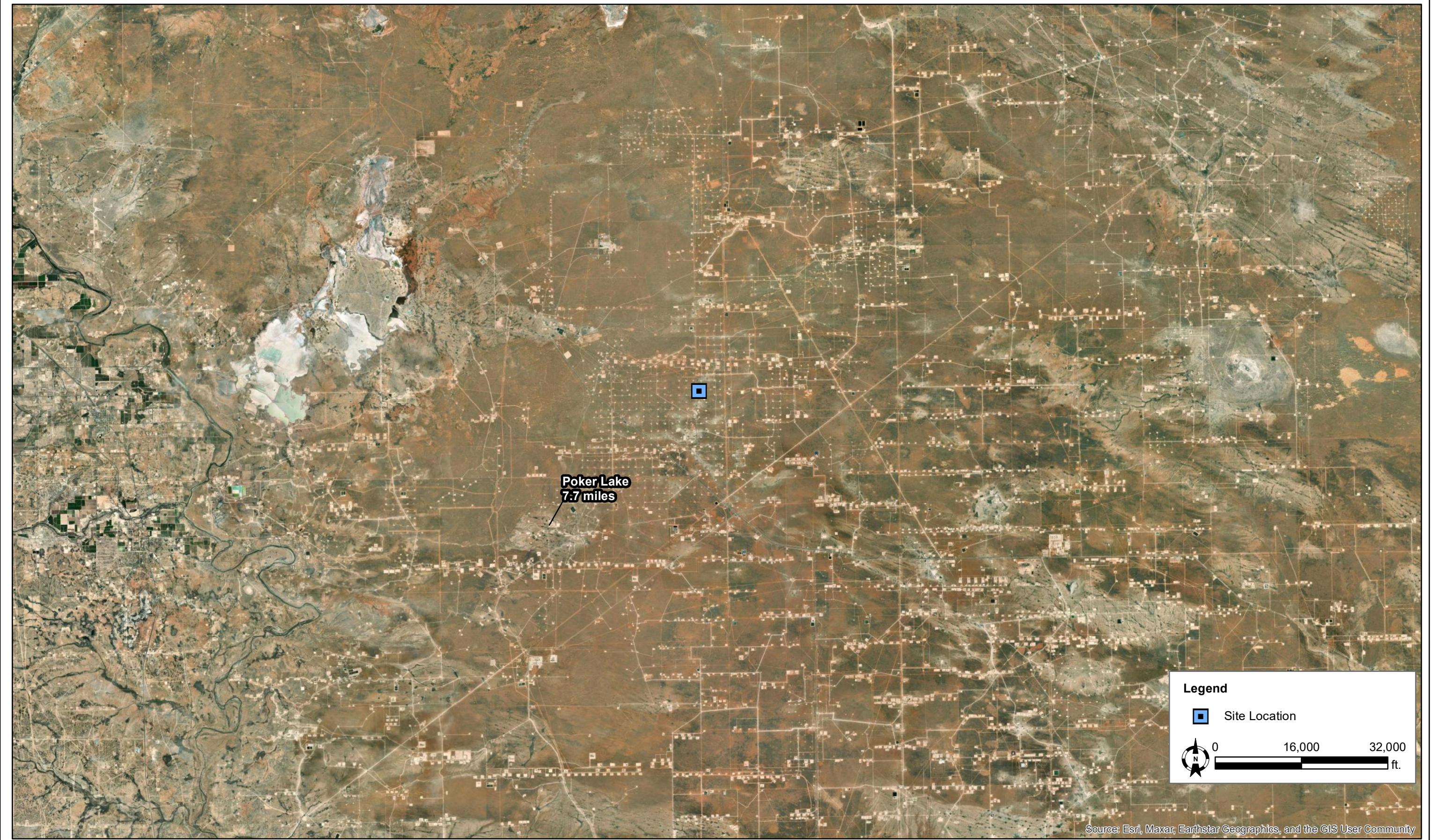
Figures



<div>DATE: July 2024</div> <div>DESIGNED BY: L. Flores</div> <div>DRAWN BY: L. Flores</div>	<div><div>Tasman, Inc. 2620 W. Marland Blvd Hobbs, NM 88240</div></div>	<div>DCP Operating Company, LP 20200 Ext. Line - nAPP2420056258 UL "D", Sec. 24, T23S, R31E Eddy County, New Mexico</div>	<div>Site Location & Groundwater Map</div>	<div>Figure 1</div>
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<div>DATE: July 2024</div> <div>DESIGNED BY: L. Flores</div> <div>DRAWN BY: L. Flores</div>	<div></div> <div>Tasman, Inc. 2620 W. Marland Blvd Hobbs, NM 88240</div>	<div>DCP Operating Company, LP 20200 Ext. Line - nAPP2420056258 UL "D", Sec. 24, T23S, R31E Eddy County, New Mexico</div>	<div>Karst Potential & Subsurface Mine Map</div>	<div>Figure 2</div>
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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



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

DCP Operating Company, LP
20200 Ext. Line - nAPP2420056258
UL “D”, Sec. 24, T23S, R31E
Eddy County, New Mexico

Surface Water Map

Figure
3

National Flood Hazard Layer FIRMMette



Figure 4

103°44'38"W 32°18'5"N



Released to Imaging: 1/22/2026 9:25:52 AM

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
OTHER AREAS OF FLOOD HAZARD		Regulatory Floodway
		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		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

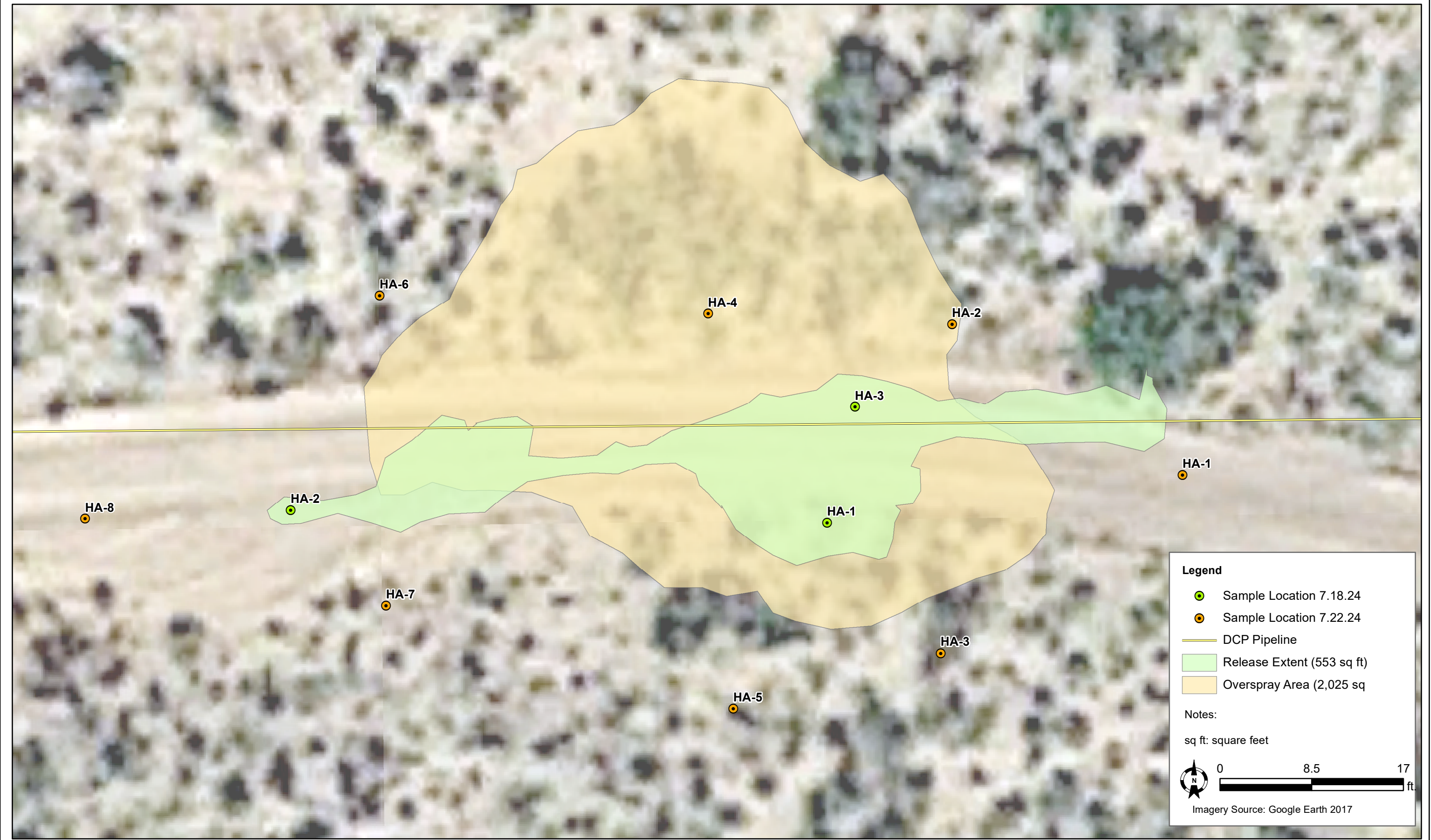



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 7/24/2024 at 7:38 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



DATE: June 2025	 Tasman, Inc. 2620 W. Marland Blvd Hobbs, NM 88240	DCP Operating Company, LP 20200 Ext. Line - nAPP2420056258 UL "D", Sec. 24, T23S, R31E Eddy County, New Mexico	Delineation Overview Map	Figure 5
DESIGNED BY: C. Flores				
DRAWN BY: K. Stark				

Table

TABLE 1
SOIL SAMPLE ANALYTICAL SUMMARY - DELINEATION SOIL SAMPLES
DCP Operating Company, LP
20200 Line Leak - nAPP2420056258

Sample ID	Sample Depth (bgs)	Sample Date	Soil Status	PID (ppm)	Field Chloride (mg/kg)	Benzene (mg/kg)	Total BTEX ¹ (mg/kg)	TPH ² (mg/kg)				Chloride ³ (mg/kg)
								GRO	DRO	MRO	TOTAL	
Delineation Soil Samples												
HA-1*	0.5'	7/18/2024	In-Situ	103.3	1,580	0.095	8.99	940	28,800	7,730	37,470	1,040
	2'		In-Situ	60.7	322	---	---	---	---	---	---	---
	4'		In-Situ	2.5	149	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
HA-2*	0.5'	7/18/2024	In-Situ	68.3	8,879	0.224	9.67	448	63,900	20,200	84,548	28,400
	2'		In-Situ	150.8	179	---	---	---	---	---	---	---
	4'		In-Situ	4.0	144	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
HA-3*	0.5'	7/18/2024	In-Situ	379.5	90	0.774	52.6	2,270	44,600	13,000	59,870	736
	2'		In-Situ	57.9	208	---	---	---	---	---	---	---
	4'		In-Situ	3.4	147	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
HA-1*	0.5'	7/22/2024	In-Situ	21.9	85	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
	1'		In-Situ	8.7	87	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	2'		In-Situ	9.4	85	---	---	---	---	---	---	---
	3'		In-Situ	6.8	89	---	---	---	---	---	---	---
	4'		In-Situ	15.0	90	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
HA-2*	0.5'	7/22/2024	In-Situ	15.7	89	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	1'		In-Situ	8.0	89	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	2'		In-Situ	11.2	89	---	---	---	---	---	---	---
	3'		In-Situ	13.0	87	---	---	---	---	---	---	---
	4'		In-Situ	10.7	86	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
HA-3*	0.5'	7/22/2024	In-Situ	4.0	88	---	---	---	---	---	---	---
	1'		In-Situ	8.3	84	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	2'		In-Situ	5.5	90	---	---	---	---	---	---	---
	3'		In-Situ	5.1	87	---	---	---	---	---	---	---
	4'		In-Situ	14.9	88	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
HA-4*	0.5'	7/22/2024	In-Situ	3.4	86	---	---	---	---	---	---	---
	1'		In-Situ	7.1	85	---	---	---	---	---	---	---
	2'		In-Situ	8.5	88	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	3'		In-Situ	3.7	85	---	---	---	---	---	---	---
	4'		In-Situ	7.4	89	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
HA-5*	0.5'	7/22/2024	In-Situ	3.7	85	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	1'		In-Situ	3.4	84	---	---	---	---	---	---	---
	2'		In-Situ	5.8	84	---	---	---	---	---	---	---
	3'		In-Situ	7.8	90	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	4'		In-Situ	3.9	85	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
NMOCD Reclamation Standards ⁴ (Applicable for soils less than 4 ft. below grade surface)				N/A	N/A	10	50	N/A			100	600
NMOCD Action Levels ⁴				N/A	N/A	10	50	1,000		N/A	2,500	20,000

TABLE 1
SOIL SAMPLE ANALYTICAL SUMMARY - DELINEATION SOIL SAMPLES
DCP Operating Company, LP
20200 Line Leak - nAPP2420056258

Sample ID	Sample Depth (bgs)	Sample Date	Soil Status	PID (ppm)	Field Chloride (mg/kg)	Benzene (mg/kg)	Total BTEX ¹ (mg/kg)	TPH ² (mg/kg)				Chloride ³ (mg/kg)
								GRO	DRO	MRO	TOTAL	
Delineation Soil Samples												
HA-6*	0.5'	7/22/2024	In-Situ	1.4	89	---	---	---	---	---	---	---
	1'		In-Situ	3.5	87	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	2'		In-Situ	2.8	84	---	---	---	---	---	---	---
	3'		In-Situ	4.1	86	---	---	---	---	---	---	---
	4'		In-Situ	4.0	87	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
HA-7*	0.5'	7/22/2024	In-Situ	2.0	85	---	---	---	---	---	---	---
	1'		In-Situ	3.1	87	---	---	---	---	---	---	---
	2'		In-Situ	4.1	88	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	3'		In-Situ	9.5	85	---	---	---	---	---	---	---
	4'		In-Situ	9.3	88	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
HA-8*	0.5'	7/22/2024	In-Situ	2.0	87	---	---	---	---	---	---	---
	1'		In-Situ	3.2	83	---	---	---	---	---	---	---
	2'		In-Situ	4.1	85	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	3'		In-Situ	4.7	85	---	---	---	---	---	---	---
	4'		In-Situ	4.6	84	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
NMOCD Reclamation Standards ⁴ (Applicable for soils less than 4 ft. below grade surface)				N/A	N/A	10	50	N/A			100	600
NMOCD Action Levels ⁴				N/A	N/A	10	50	1,000		N/A	2,500	20,000

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. All other samples are five-point composites
- N/A = Not applicable
- Bold** values denote concentrations above laboratory RL

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
 <RL = The analyte was not detected above the laboratory reporting limit (RL)

Red values denote concentrations above NMOCD Action Levels

Appendix A – NMOCD Notifications

Barrels Released Calculation

Release Area

Square Footage

553

x

Height (ft)

2

=

40.96296 feet³

27

40.962963

x

0.1781

=

7.30

barrels released

Overspray Area

Square Footage

2,025

x

Height (ft)

0.01

=

0.75 feet³

27

0.75

x

0.1781

=

0.13

barrels released

Total

=

7.43

bbls

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 365475

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 365475
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2420056258
Incident Name	NAPP2420056258 20200 EXT LINE @ 0
Incident Type	Blow Out
Incident Status	Initial C-141 Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	20200 Ext Line
Date Release Discovered	07/17/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Blow Out Pipeline (Any) Produced Water Released: 7 BBL Recovered: 0 BBL Lost: 7 BBL.
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 365475

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 365475
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Nick Case Title: Environmental Email: Nicholas.L.Case@P66.com Date: 07/22/2024

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 365475

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 365475
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan

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

Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

CONDITIONS

Action 365475

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 365475
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	7/25/2024

Appendix B – Depth to Groundwater Information



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4774

Well owner: Devon Energy Resources

Phone No.: _____

Mailing address: 205 E. Bender Road # 150

City: Hobbs

State: _____

NM

Zip code: 88240

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Vision Resources
- 2) New Mexico Well Driller License No.: 1833 Expiration Date: 10-7-25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Jason Maley
- 4) Date well plugging began: 12-20-23 Date well plugging concluded: 12-20-23
- 5) GPS Well Location: Latitude: 32 deg, 17 min, 42.8604 sec
Longitude: 103 deg, 44 min, 30.8436 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 105' ft below ground level (bgl),
by the following manner: Tape
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 9-21-23
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

OSE OIT JAN 12 2024 PM 1:52

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

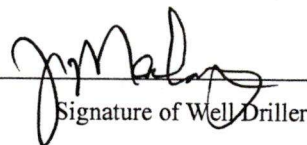
Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
0		155	155	Tremie pipe Open Hole	
	Wyoming Bentonite				
105'					

QSE DTI JAN 12 2024 PM 1:52

MULTIPLY	BY	AND OBTAIN
cubic feet x 7.4805	=	gallons
cubic yards x 201.97	=	gallons

III. SIGNATURE:

I, Jason Maley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.


Signature of Well Driller

1/10/24
Date

Appendix C – Photographic Log

DCP Operating Company, LP
20200 Ext. Line
NMOCD Incident No. nAPP2420056258



DCP Operating Company, LP
20200 Ext. Line
NMOCD Incident No. nAPP2420056258



DCP Operating Company, LP
20200 Ext. Line
NMOCD Incident No. nAPP2420056258



Appendix D – Certified Laboratory Analytical Reports



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

July 23, 2024

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 7845 20200 EXT LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 07/18/24 12:07.

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

Cardinal Laboratories is 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: 07/18/2024
 Reported: 07/23/2024
 Project Name: 7845 20200 EXT LINE LEAK
 Project Number: 7845
 Project Location: NONE GIVEN

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: HA - 1 @ 0.5" (H244307-01)

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.095	0.050	07/22/2024	ND	1.95	97.3	2.00	2.33	GC-NC1
Toluene*	0.393	0.050	07/22/2024	ND	1.91	95.3	2.00	1.13	
Ethylbenzene*	1.04	0.050	07/22/2024	ND	2.00	100	2.00	0.996	GC-NC1, QM-07
Total Xylenes*	7.46	0.150	07/22/2024	ND	5.90	98.3	6.00	0.866	QM-07
Total BTX	8.99	0.300	07/22/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 187 % 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	1040	16.0	07/19/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	940	100	07/19/2024	ND	197	98.6	200	7.97	
DRO >C10-C28*	28800	100	07/19/2024	ND	214	107	200	11.6	
EXT DRO >C28-C36	7730	100	07/19/2024	ND					

Surrogate: 1-Chlorooctane 429 % 48.2-134

Surrogate: 1-Chlorooctadecane 593 % 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: 07/18/2024
 Reported: 07/23/2024
 Project Name: 7845 20200 EXT LINE LEAK
 Project Number: 7845
 Project Location: NONE GIVEN

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: HA - 1 @ 4' (H244307-02)

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	07/19/2024	ND	1.95	97.3	2.00	2.33		
Toluene*	<0.050	0.050	07/19/2024	ND	1.91	95.3	2.00	1.13		
Ethylbenzene*	<0.050	0.050	07/19/2024	ND	2.00	100	2.00	0.996		
Total Xylenes*	<0.150	0.150	07/19/2024	ND	5.90	98.3	6.00	0.866		
Total BTEx	<0.300	0.300	07/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	07/19/2024	ND	416	104	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	07/19/2024	ND	197	98.6	200	7.97	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	214	107	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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: 07/18/2024
 Reported: 07/23/2024
 Project Name: 7845 20200 EXT LINE LEAK
 Project Number: 7845
 Project Location: NONE GIVEN

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: HA - 2 @ 0.5" (H244307-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.224	0.050	07/22/2024	ND	1.95	97.3	2.00	2.33	GC-NC1
Toluene*	1.46	0.050	07/22/2024	ND	1.91	95.3	2.00	1.13	
Ethylbenzene*	1.73	0.050	07/22/2024	ND	2.00	100	2.00	0.996	GC-NC1
Total Xylenes*	6.25	0.150	07/22/2024	ND	5.90	98.3	6.00	0.866	
Total BTEX	9.67	0.300	07/22/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	28400	16.0	07/19/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	448	100	07/19/2024	ND	197	98.6	200	7.97		
DRO >C10-C28*	63900	100	07/19/2024	ND	214	107	200	11.6		
EXT DRO >C28-C36	20200	100	07/19/2024	ND						

Surrogate: 1-Chlorooctane 206 % 48.2-134

Surrogate: 1-Chlorooctadecane 1450 % 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: 07/18/2024
 Reported: 07/23/2024
 Project Name: 7845 20200 EXT LINE LEAK
 Project Number: 7845
 Project Location: NONE GIVEN

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: HA - 2 @ 4' (H244307-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2024	ND	1.95	97.3	2.00	2.33		
Toluene*	<0.050	0.050	07/19/2024	ND	1.91	95.3	2.00	1.13		
Ethylbenzene*	<0.050	0.050	07/19/2024	ND	2.00	100	2.00	0.996		
Total Xylenes*	<0.150	0.150	07/19/2024	ND	5.90	98.3	6.00	0.866		
Total BTX	<0.300	0.300	07/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	07/19/2024	ND	416	104	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	07/19/2024	ND	197	98.6	200	7.97	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	214	107	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 114 % 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: 07/18/2024
 Reported: 07/23/2024
 Project Name: 7845 20200 EXT LINE LEAK
 Project Number: 7845
 Project Location: NONE GIVEN

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: HA - 3 @ 0.5" (H244307-05)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.774	0.100	07/22/2024	ND	1.95	97.3	2.00	2.33	GC-NC1
Toluene*	6.58	0.100	07/22/2024	ND	1.91	95.3	2.00	1.13	
Ethylbenzene*	10.4	0.100	07/22/2024	ND	2.00	100	2.00	0.996	GC-NC1
Total Xylenes*	34.9	0.300	07/22/2024	ND	5.90	98.3	6.00	0.866	
Total BTEX	52.6	0.600	07/22/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 181 % 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	736	16.0	07/19/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2270	100	07/19/2024	ND	197	98.6	200	7.97	
DRO >C10-C28*	44600	100	07/19/2024	ND	214	107	200	11.6	
EXT DRO >C28-C36	13000	100	07/19/2024	ND					

Surrogate: 1-Chlorooctane 524 % 48.2-134

Surrogate: 1-Chlorooctadecane 901 % 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: 07/18/2024
 Reported: 07/23/2024
 Project Name: 7845 20200 EXT LINE LEAK
 Project Number: 7845
 Project Location: NONE GIVEN

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: HA - 3 @ 4' (H244307-06)

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	07/19/2024	ND	1.95	97.3	2.00	2.33		
Toluene*	<0.050	0.050	07/19/2024	ND	1.91	95.3	2.00	1.13		
Ethylbenzene*	<0.050	0.050	07/19/2024	ND	2.00	100	2.00	0.996		
Total Xylenes*	<0.150	0.150	07/19/2024	ND	5.90	98.3	6.00	0.866		
Total BTX	<0.300	0.300	07/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	07/19/2024	ND	416	104	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	07/19/2024	ND	197	98.6	200	7.97	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	214	107	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

[illegible]

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



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

July 26, 2024

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 7845_20200 EXT LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 07/23/24 13:01.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 1 @ 0-0.5' (H244373-01)

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	07/24/2024	ND	1.98	99.1	2.00	3.35	
Toluene*	<0.050	0.050	07/24/2024	ND	1.94	96.8	2.00	2.97	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.03	101	2.00	2.89	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	2.96	
Total BTEX	<0.300	0.300	07/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/24/2024	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	07/24/2024	ND	187	93.5	200	1.36	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	186	93.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 1 @ 1' (H244373-02)

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	07/24/2024	ND	2.15	107	2.00	3.79		
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15		
Total BTEx	<0.300	0.300	07/24/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/24/2024	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	07/24/2024	ND	187	93.5	200	1.36	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	186	93.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 1 @ 4' (H244373-05)

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	07/24/2024	ND	2.15	107	2.00	3.79		
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15		
Total BTEx	<0.300	0.300	07/24/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/24/2024	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	07/24/2024	ND	187	93.5	200	1.36	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	186	93.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 2 @ 0-0.5' (H244373-06)

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	07/24/2024	ND	2.15	107	2.00	3.79	
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15	
Total BTX	<0.300	0.300	07/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/24/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	187	93.5	200	1.36	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	186	93.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 2 @ 1' (H244373-07)

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	07/24/2024	ND	2.15	107	2.00	3.79	
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15	
Total BTEx	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	07/24/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	187	93.5	200	1.36	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	186	93.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

Cardinal Laboratories

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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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 2 @ 4' (H244373-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.15	107	2.00	3.79	
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15	
Total BTEX	<0.300	0.300	07/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/24/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	187	93.5	200	1.36	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	186	93.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 3 @ 1' (H244373-12)

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	07/24/2024	ND	2.15	107	2.00	3.79	
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15	
Total BTEX	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	07/24/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	187	93.5	200	1.36	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	186	93.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 3 @ 4' (H244373-15)

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	07/24/2024	ND	2.15	107	2.00	3.79		
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15		
Total BTEX	<0.300	0.300	07/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	07/24/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	187	93.5	200	1.36	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	186	93.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 4 @ 2' (H244373-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2024	ND	2.15	107	2.00	3.79		
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15		
Total BTEx	<0.300	0.300	07/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	07/24/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	187	93.5	200	1.36	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	186	93.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 4 @ 4' (H244373-20)

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	07/24/2024	ND	2.15	107	2.00	3.79		
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15		
Total BTEx	<0.300	0.300	07/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/24/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	184	91.8	200	1.71	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	181	90.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.9 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 5 @ 0-0.5' (H244373-21)

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	07/24/2024	ND	2.15	107	2.00	3.79		
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15		
Total BTEx	<0.300	0.300	07/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	07/24/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	184	91.8	200	1.71	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	181	90.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 67.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.8 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 5 @ 3' (H244373-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2024	ND	2.15	107	2.00	3.79		
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15		
Total BTEx	<0.300	0.300	07/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	07/24/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	184	91.8	200	1.71	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	181	90.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 5 @ 4' (H244373-25)

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	07/24/2024	ND	2.15	107	2.00	3.79	
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15	
Total BTEx	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	07/24/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	184	91.8	200	1.71	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	181	90.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 6 @ 1' (H244373-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2024	ND	2.15	107	2.00	3.79		
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15		
Total BTEx	<0.300	0.300	07/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/24/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	184	91.8	200	1.71	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	181	90.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 6 @ 4' (H244373-30)

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	07/24/2024	ND	2.15	107	2.00	3.79	
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15	
Total BTEx	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	07/24/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	184	91.8	200	1.71	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	181	90.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 71.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.0 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 7 @ 2' (H244373-33)

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	07/24/2024	ND	2.15	107	2.00	3.79	
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15	
Total BTX	<0.300	0.300	07/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/24/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	184	91.8	200	1.71	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	181	90.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 7 @ 4' (H244373-35)

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	07/24/2024	ND	2.15	107	2.00	3.79		
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15		
Total BTEx	<0.300	0.300	07/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	07/24/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	184	91.8	200	1.71	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	181	90.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 8 @ 2' (H244373-38)

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	07/24/2024	ND	2.15	107	2.00	3.79		
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15		
Total BTEx	<0.300	0.300	07/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	07/24/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	184	91.8	200	1.71	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	181	90.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 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: 07/23/2024
 Reported: 07/26/2024
 Project Name: 7845_20200 EXT LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA - 8 @ 4' (H244373-40)

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	07/24/2024	ND	2.15	107	2.00	3.79	
Toluene*	<0.050	0.050	07/24/2024	ND	2.21	111	2.00	4.66	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.25	113	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.83	114	6.00	4.15	
Total BTX	<0.300	0.300	07/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/24/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	184	91.8	200	1.71	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	181	90.4	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

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Notes and Definitions

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

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A handwritten signature in cursive script, 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

[illegible]

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Relinquished By: <i>[Signature]</i>	Date: <i>7/23/24</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>[Signature]</i>	Time: <i>1301</i>	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>[Signature]</i>	Date:	Received By:	REMARKS:	
Relinquished By: <i>[Signature]</i>	Time:	Received By:	email results: NMDData@tasman-geo.com	
Delivered By: (Circle One)		Sample Condition Cool	Janice.L.Hyman@p66.com; Albert.L.Hyman@p66.com;	
Sampler - UPS - Bus - Other: <i>-12.0</i>		Intact	knorman@tasman-geo.com; bdennis@tasman-geo.com;	
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	lflores@tasman-geo.com; Ogarcia@tasman-geo.com	
		<input type="checkbox"/> Yes <input type="checkbox"/> No		
		CHECKED BY: <i>[Signature]</i>		
		(Initials)		

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



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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 528553

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 528553
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2420056258
Incident Name	NAPP2420056258 20200 EXT LINE @ FAPP2123031660
Incident Type	Blow Out
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2123031660] DCP SE NM Gathering System

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	20200 EXT LINE
Date Release Discovered	07/17/2024
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Blow Out Pipeline (Any) Produced Water Released: 7 BBL Recovered: 0 BBL Lost: 7 BBL.
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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Phone: (505) 476-3441

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Phone: (505) 629-6116

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<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 528553

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 528553
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Nick Case Title: Environmental Email: Nicholas.L.Case@P66.com Date: 11/20/2025
----------------------------------------------------	-----------------------------------------------------------------------------------------------

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 528553

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 528553
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	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 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	28400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	84548
GRO+DRO (EPA SW-846 Method 8015M)	64348
BTEX (EPA SW-846 Method 8021B or 8260B)	52.6
Benzene (EPA SW-846 Method 8021B or 8260B)	0.7
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	03/01/2026
On what date will (or did) the final sampling or liner inspection occur	03/15/2026
On what date will (or was) the remediation complete(d)	03/20/2026
What is the estimated surface area (in square feet) that will be reclaimed	750
What is the estimated volume (in cubic yards) that will be reclaimed	150
What is the estimated surface area (in square feet) that will be remediated	750
What is the estimated volume (in cubic yards) that will be remediated	150
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 528553

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 528553
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<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: Nick Case Title: Environmental Email: Nicholas.L.Case@P66.com Date: 11/20/2025
<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 528553

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 528553
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS, Page 6

Action 528553

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 528553
	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 528553

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 528553
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation plan is approved as written except with the following conditions; 1. Alternative sampling plan request not to exceed 400 square feet (ft.2) for each five (5) point composite (5pc) from the excavation floor per 19.15.29.12D (1b) NMAC is approved. Sidewall confirmation sample(s) will abide at 200 ft.2 for each 5pc per 19.15.29.12D (1c) NMAC. All other provisions addressed in 19.15.29.12D NMAC remain in effect. 2. Prior to backfilling the open excavation per 19.15.29.12D (2) NMAC, DCP Operating Co., LP (DCP) must collect a minimum of one (1) five point composite sample from the media being used as backfill to verify that it meets non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. This is especially important for the material being used within the top four (4) feet from the ground surface.	1/22/2026