G-8 LINE LEAK
Remediation Action Plan

NMOCD Incident No. nAPP2427125865
UL “M”, Sec. 2, T17S, R34E
32.859457 -103.535844
Lea County, New Mexico

August 20, 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

August 20, 2025

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

Attn: Mr. Steve Weathers
Email: stephen.weathers@p66.com

Re: Remediation Action Plan
G-8 Line Leak
UL "M", Section 2, Township 17 South, Range 34 East
Lea County, New Mexico
NMOCD Incident No. nAPP2427125865
Tasman Project No. 8242

Dear Mr. Weathers,

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

Tasman conducted initial assessment activities, identifying an approximately 8,268 square foot area that had been impacted by the release, with an overspray area of approximately 12,419 square feet. Based on laboratory analytical results from soil samples collected during assessment sampling activities, impacted soil within the release area has been horizontally delineated to the applicable NMOCD Action Levels. 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
kstark@tasman-geo.com

Brett Dennis
Program Manager
bdennis@tasman-geo.com

TABLE OF CONTENTS

Figures

Tables

1.0 INTRODUCTION

Tasman, Inc. (Tasman) is pleased to submit this Remediation Action Plan for the G-8 Line Leak (site) on behalf of DCP Operating Company, LP (DCP), documenting the results of field activities conducted in response to a release of natural gas and natural gas condensate to environmental media.

1.1 Site Description

The site is located in Unit Letter "M" of Section 2, Township 17 South, Range 34 East in Lea County, New Mexico. The release occurred from the G-8 natural gas gathering pipeline. The release occurred on New Mexico State Land Office (NMSLO) property.

1.2 Release Detail and Initial Response

On September 25, 2024, the G-8 pipeline was discovered by DCP personnel to have failed due to a blow out. On September 27, 2024, DCP provided notice of release to the NMOCD portal. The release resulted in the loss of approximately 27 barrels (bbls) of natural gas condensate and 53 thousand cubic feet (mcf) of natural gas to the surrounding environmental media. DCP personnel shut in the pipeline to isolate the release and the line was later repaired and returned to service. No natural gas or natural gas condensate 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 well with available groundwater level data is located 0.21 miles southeast of the site, identified as USGS 325115103314701. Depth to groundwater was measured at 92 feet below ground surface (ft bgs) in 1990.

Tasman reviewed an additional nine locations located up, down, and cross topographical gradient of the site. The measurements ranged from 80 ft bgs to 105 ft bgs with an average depth of 93 ft bgs. Tasman anticipates to install a groundwater determination soil bore within a half-mile of the site to confirm depth to groundwater. The soil bore will be advanced to a depth of

approximately 55 feet. After approximately 72-hours, the soil bore will be checked for the presence of ground water. After depth to ground water (if present) is measured, the soil bore will be plugged and abandoned in accordance with state requirements.

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 Bureau of Land Management (BLM) Carlsbad Field Office (CFO) to determine the potential for encountering karst formations beneath the site. Review of the BLM CFO karst potential map indicates that the site is 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 karst potential 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 USGS 325115103314701, located 0.21 miles from the site. Tasman did not visually confirm the presence of the well. The location of USGS 325115103314701 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 0.26 miles from the site. The nearest significant surface water was identified as White Lake, located 6.24 miles from the site. The location of the nearest wetlands and 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:	~90 ft bgs	
Within an area of high karst potential?	☐ Yes	☑ No
Within 300 ft. of any continuously flowing of significant watercourse?	☐ Yes	☑ No
Within 200 ft. of any lakebed, sinkhole, or playa lake?	☐ Yes	☑ No
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	☐ Yes	☑ No
Within 500 ft. of a spring or private, domestic fresh water well?	☐ Yes	☑ No
Within 1,000 ft. of any fresh water well?	☐ Yes	☑ No
Within the incorporated municipal boundaries or within a municipal well field?	☐ Yes	☑ No
Within 300 ft. of a wetland?	☐ Yes	☑ No
Within the area overlying a subsurface mine?	☐ Yes	☑ No
Within an unstable area?	☐ Yes	☑ No
Within a 100-year floodplain?	☐ Yes	☑ 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 NMCOD Actions Levels for a site with depth to groundwater less than 50 feet bgs will be utilized unless the findings of the groundwater determination bore indicate that depth to groundwater is greater than 50 ft bgs. If groundwater is determined to be greater than 50 ft bgs, Tasman will submit a variance request to the NMOCD documenting findings and requesting updated Remediation Action Levels. Action Levels for a site of less the 50 ft bgs to groundwater are as follows:

Constituent	Remediation Action Level
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
TPH (GRO+DRO)	Not Applicable
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 September 25, 2024, Tasman was retained by DCP to respond to a release of natural gas and natural gas condensate at the site. Initial observations indicated a release area of approximately 8,268 square feet (ft^2), with an overspray area of approximately 12,419 ft^2. A photographic log of the release area is included as Appendix C.

On April 16 – 18, and May 22 – 27, 2025, Tasman advanced nineteen delineation trenches using machinal equipment, referred to as verticals (V-1 through V-19), to delineate the release area. Verticals were advanced to depths ranging from 3 ft bgs to 8 ft bgs. For each day that sampling activities were being conducted, 48-hour sampling notifications were submitted to the NMOCD online portal.

The attached Figure 5 illustrates the observed release and location 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 greater than Action levels with soil sample V-3 at 0.5 ft bgs (0.153 milligrams per kilogram [mg/kg]) being the only sample exhibiting a concentration greater than laboratory detection limits.

Concentrations of total BTEX were not detected above Action Levels throughout all collected soil samples. Detected concentrations ranged from 0.334 mg/kg to 29.8 mg/kg.

Concentrations of total TPH were detected above Action Levels in soil samples V-1 at 2 feet bgs (697 mg/kg), V-3 at 2 feet bgs (4,662 mg/kg), V-3 at 4 feet bgs (197 mg/kg), and V-4 at 1 foot bgs (830 mg/kg). The remaining detected concentrations ranged from 14.9 mg/kg to 64.8 mg/kg.

Concentrations of chlorides were detected greater than Action Levels in soil samples V-1 at 2 feet bgs (720 mg/kg), V-2 at 2 feet bgs (2,240 mg/kg), V-2 at 4 feet bgs (1,070 mg/kg), and V-3 at 2 feet bgs (1,230 mg/kg). The remaining detected concentrations ranged from 16.0 mg/kg to 528 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 at the areas surrounding verticals V-2 and V-3 to approximately 6 feet bgs and verticals V-1 and V-4 to approximately 3 feet bgs. Full delineation will be confirmed with soil samples collected from the sidewall and base of the excavation.

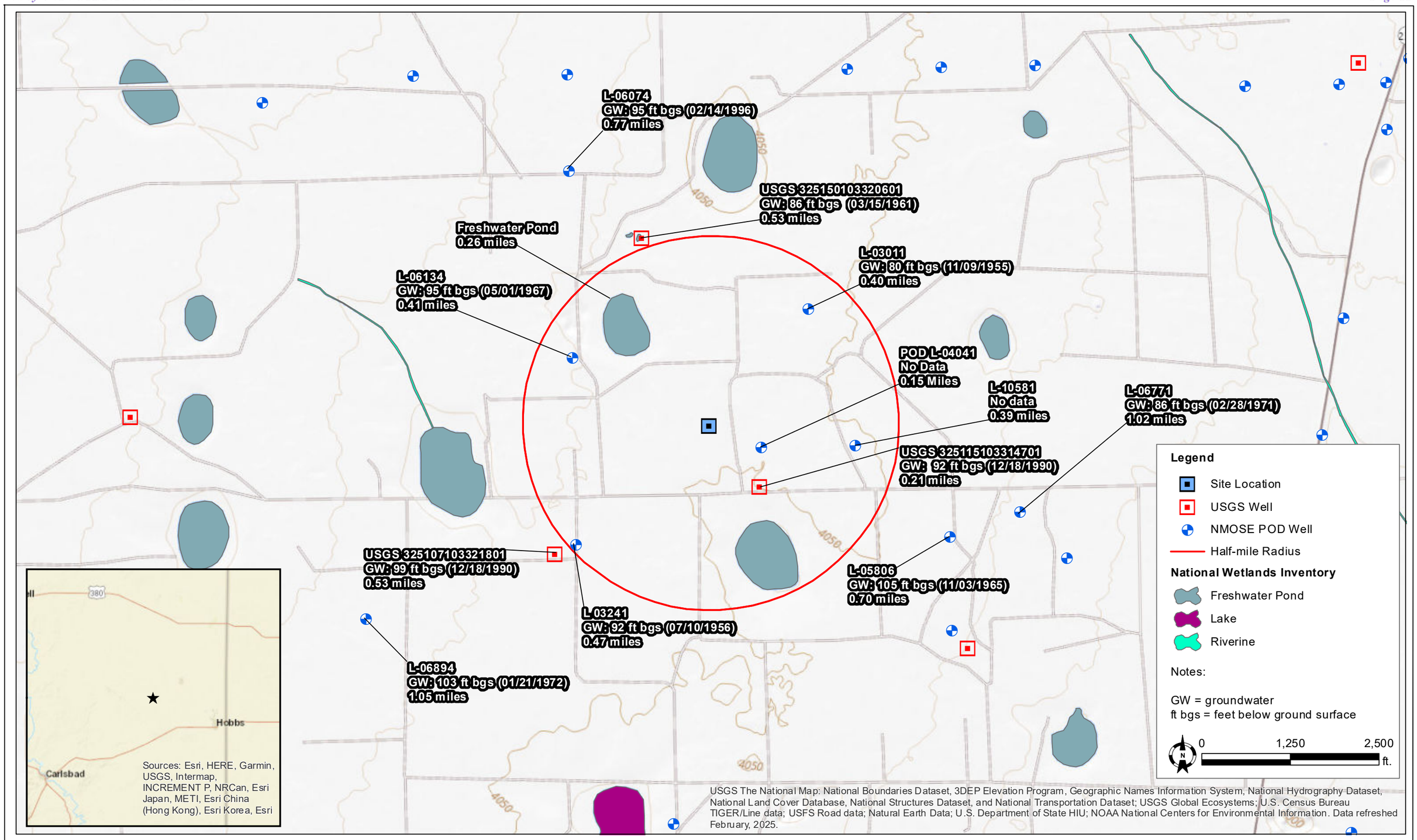
Once field data indicates that the release area has been remediated to NMOCD Remediation Levels established in Section 3.0, Tasman will collect five-point composite confirmation samples from the base and sidewalls of the excavation representing 200 ft^2 or less. Confirmation sampling activities and laboratory analysis will be conducted as described in Sections 4.1 and 4.2.

6.0 PROPOSED RECLAMATION AND REVEGETATION

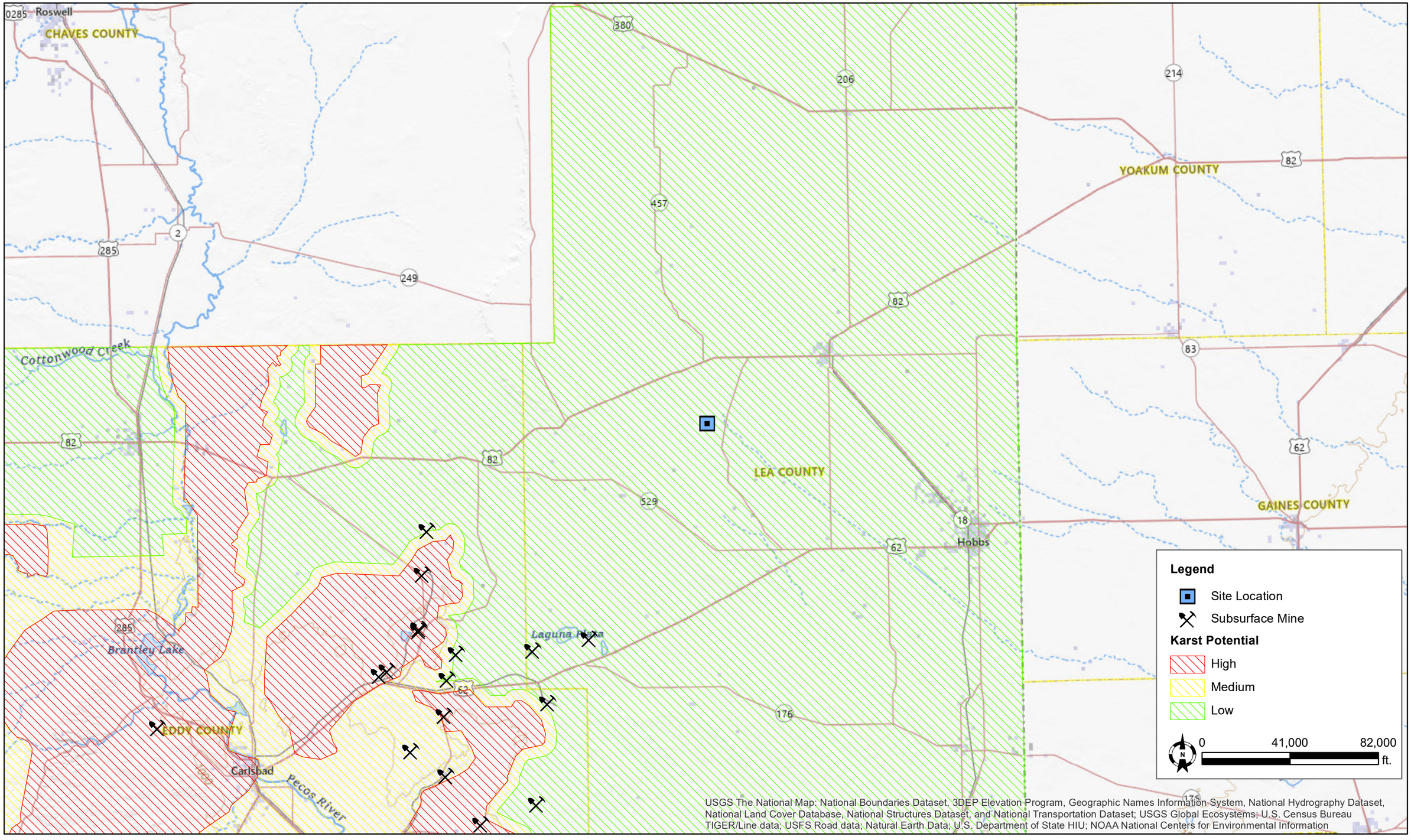
Upon receipt of confirmation samples that indicate remediation objectives have been met, areas affected by the release and associated remediation activities will be restored to the condition which existed prior to the release to the maximum extent possible. Excavated areas will be backfilled with non-impacted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

The NMSLO (surface owner) will be consulted for their preference in native seed mix. Upon NMSLO 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



DATE: September 2024 DESIGNED BY: L. Flores DRAWN BY: L. Flores	**Tasman, Inc.** **2620 W. Marland Blvd** **Hobbs, NM 88240**	**DCP Operating Company, LP** **G-8 Line Leak - nAPP2427125865** UL "M", Sec. 2, T17S, R34E Lea County, New Mexico	Site Location & Groundwater Map	Figure 1



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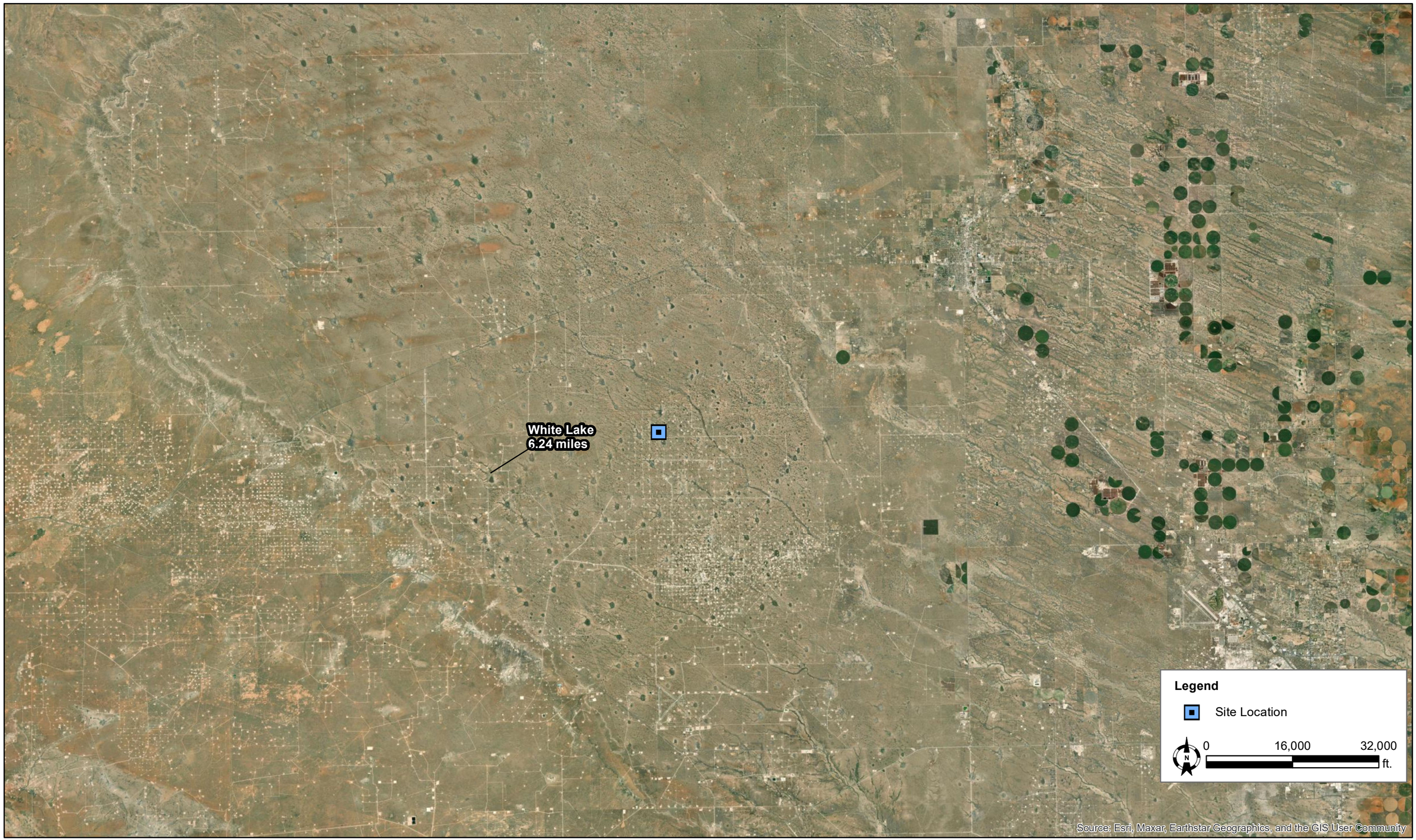

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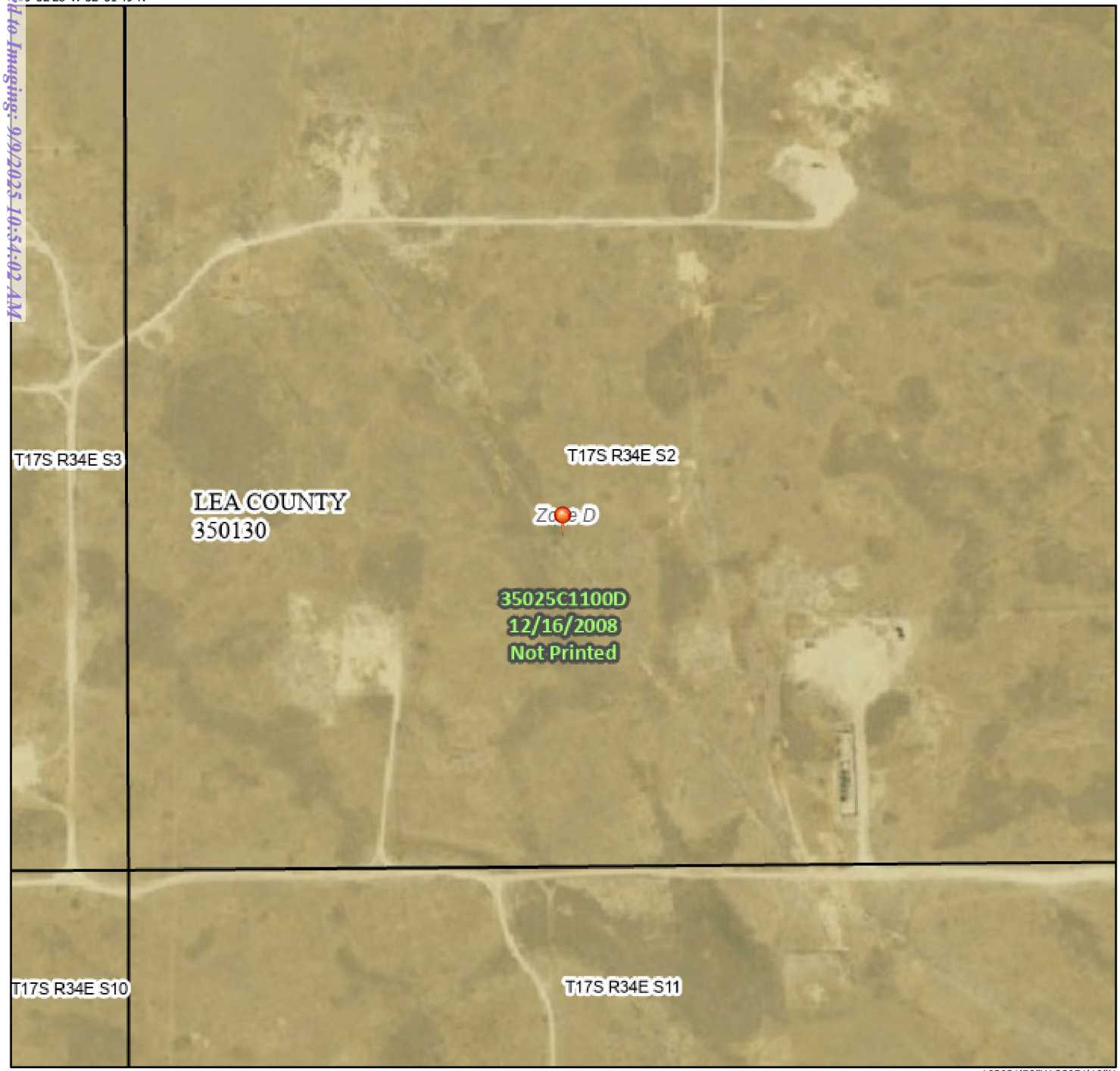
National Flood Hazard Layer FIRMette

FEMA

103°32'28"W 32°51'49"N



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

1:6,000

103°31'50"W 32°51'19"N

Basemap Imagery Source: USGS National Map 2023

Legend

Figure 4

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

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

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

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
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

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

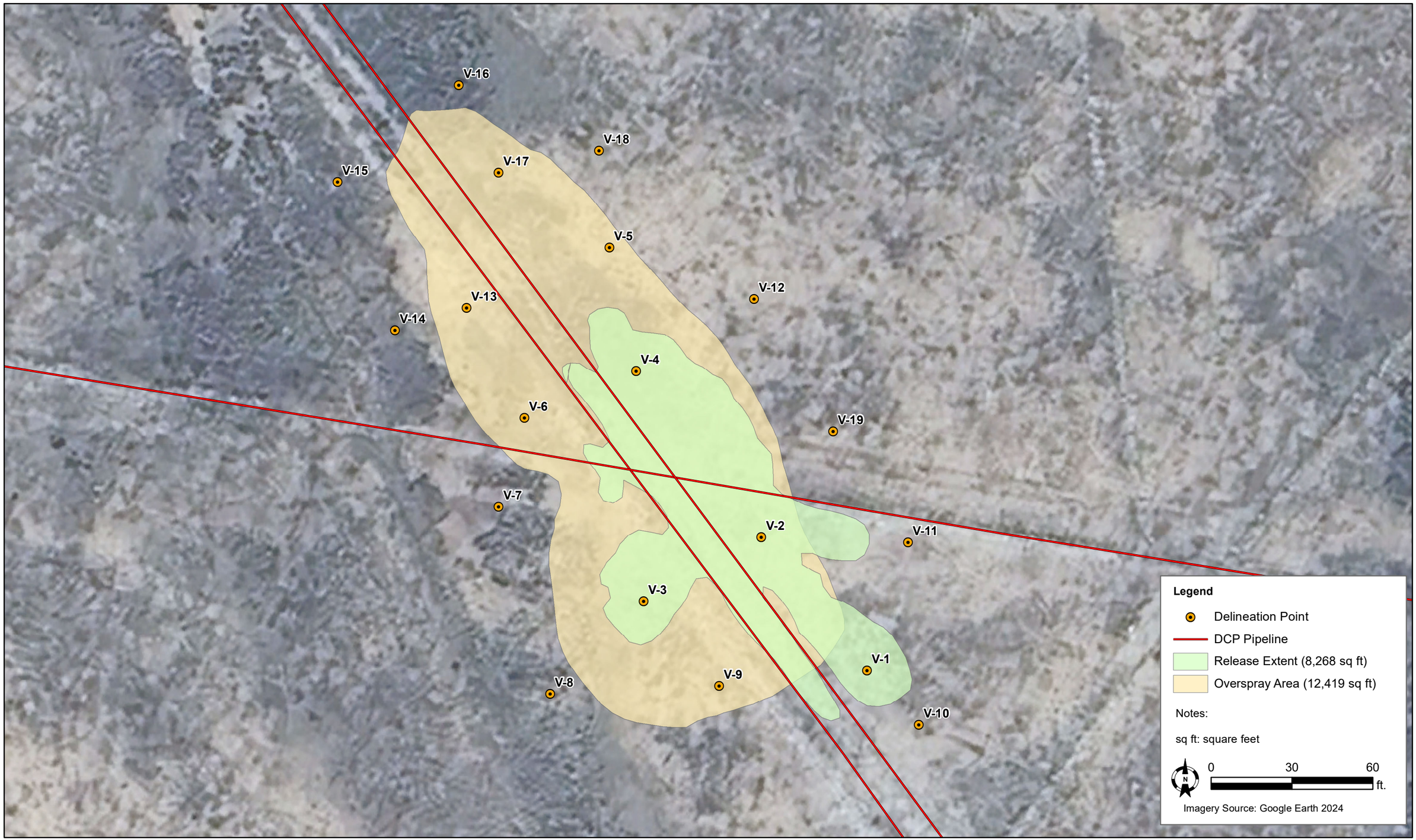
N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/26/2024 at 12:14 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: April 2025 DESIGNED BY: C. Flores DRAWN BY: K. Stark	**Tasman, Inc.** **2620 W. Marland Blvd** **Hobbs, NM 88240**	**DCP Operating Company** **G-8 Line Leak - nAPP2427125865** UL "M", Sec. 2, T17S, R34E Lea County, New Mexico	Delineation Overview Map	Figure 5

Table

TABLE 1
SOIL SAMPLE ANALYTICAL SUMMARY - DELINEATION SOIL SAMPLES
DCP Operating Company, LP
G-8 Line Leak - nAPP2427125865

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												
V-1	0.5'	4/16/2025	In-Situ	61.6	2,970	---	---	---	---	---	---	---
	1'		In-Situ	197.8	1,200	---	---	---	---	---	---	---
	2'		In-Situ	319.6	643	<0.050	**0.389**	**25.2**	**628**	**43.5**	**697**	**720**
	3'		In-Situ	30.2	146	<0.050	<0.300	<10.0	**64.8**	<10.0	**64.8**	**160**
V-2	0.5'	4/17/2025	In-Situ	49.2	1,722	---	---	---	---	---	---	---
	1'		In-Situ	515.3	2,376	---	---	---	---	---	---	---
	2'		In-Situ	587.6	1,937	<0.050	<0.300	<10.0	**17.3**	<10.0	**17.3**	**2,240**
	3'		In-Situ	117.3	1,328	---	---	---	---	---	---	---
	4'		In-Situ	143.7	911	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**1,070**
	6'		In-Situ	34.8	150	---	---	---	---	---	---	---
	8'		In-Situ	5.1	147	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**32.0**
V-3	0.5'	4/16/2025	In-Situ	317.8	1,180	---	---	---	---	---	---	---
	1'		In-Situ	3,288.0	1,062	---	---	---	---	---	---	---
	2'		In-Situ	891.5	1,268	**0.153**	**29.8**	**752**	**3,630**	**280**	**4,662**	**1,230**
	3'		In-Situ	533.4	149	---	---	---	---	---	---	---
	4'		In-Situ	660.8	147	<0.050	**1.25**	**26.2**	**147**	**23.3**	**197**	**48.0**
V-4	0.5'	4/17/2025	In-Situ	306.4	171	---	---	---	---	---	---	---
	1'		In-Situ	189.3	2,113	<0.050	**0.334**	**15.8**	**741**	**73.0**	**830**	**352**
	2'		In-Situ	127.9	874	---	---	---	---	---	---	---
	3'		In-Situ	122.3	722	---	---	---	---	---	---	---
	4'		In-Situ	55.0	151	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**192**
	6'		In-Situ	55.9	148	---	---	---	---	---	---	---
	8'		In-Situ	51.9	152	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
V-5	0.5'	4/18/2025	In-Situ	0.0	148	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**32.0**
	1'		In-Situ	1.7	148	---	---	---	---	---	---	---
	2'		In-Situ	3.8	147	---	---	---	---	---	---	---
	3'		In-Situ	9.1	152	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**32.0**
	4'		In-Situ	1.2	146	---	---	---	---	---	---	---
	6'		In-Situ	3.5	152	---	---	---	---	---	---	---
	8'		In-Situ	8.4	151	<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[5]				**N/A**	**N/A**	**10**	**50**	**1,000**		**N/A**	**2,500**	**10,000**

TABLE 1
SOIL SAMPLE ANALYTICAL SUMMARY - DELINEATION SOIL SAMPLES
DCP Operating Company, LP
G-8 Line Leak - nAPP2427125865

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												
V-6	0.5'	4/17/2025	In-Situ	3.8	148	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	1'		In-Situ	1.1	151	---	---	---	---	---	---	---
	2'		In-Situ	0.0	147	---	---	---	---	---	---	---
	3'		In-Situ	0.0	144	---	---	---	---	---	---	---
	4'		In-Situ	0.3	148	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**240**
	6'		In-Situ	1.9	147	---	---	---	---	---	---	---
	8'		In-Situ	3.0	147	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**80.0**
V-7	0.5'	4/16/2025	In-Situ	21.4	145	---	---	---	---	---	---	---
	1'		In-Situ	12.7	148	---	---	---	---	---	---	---
	2'		In-Situ	11.8	145	---	---	---	---	---	---	---
	3'		In-Situ	14.2	145	---	---	---	---	---	---	---
	4'		In-Situ	10.4	481	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**528**
	6'		In-Situ	9.7	240	---	---	---	---	---	---	---
	8'		In-Situ	3.5	238	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**288**
V-8	0.5'	4/17/2025	In-Situ	2.9	149	---	---	---	---	---	---	---
	1'		In-Situ	0.0	148	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	2'		In-Situ	0.3	146	---	---	---	---	---	---	---
	3'		In-Situ	0.0	148	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
V-9	0.5'	4/16/2025	In-Situ	4.8	148	<0.050	<0.300	<10.0	**14.9**	<10.0	**14.9**	**48.0**
	1'		In-Situ	2.4	150	---	---	---	---	---	---	---
	2'		In-Situ	5.4	152	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**48.0**
	3'		In-Situ	3.3	148	---	---	---	---	---	---	---
	4'		In-Situ	3.0	148	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**32.0**
V-10	0.5'	4/16/2025	In-Situ	0.4	151	---	---	---	---	---	---	---
	1'		In-Situ	0.1	150	---	---	---	---	---	---	---
	2'		In-Situ	0.4	148	---	---	---	---	---	---	---
	3'		In-Situ	2.4	150	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**80.0**
	4'		In-Situ	1.2	148	---	---	---	---	---	---	---
	6'		In-Situ	1.7	146	---	---	---	---	---	---	---
	7'		In-Situ	1.3	148	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**32.0**
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[5]				**N/A**	**N/A**	**10**	**50**	**1,000**		**N/A**	**2,500**	**10,000**

TABLE 1
SOIL SAMPLE ANALYTICAL SUMMARY - DELINEATION SOIL SAMPLES
DCP Operating Company, LP
G-8 Line Leak - nAPP2427125865

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												
V-11	0.5'	4/17/2025	In-Situ	1.1	148	---	---	---	---	---	---	---
	1'		In-Situ	1.2	148	---	---	---	---	---	---	---
	2'		In-Situ	0.7	148	---	---	---	---	---	---	---
	3'		In-Situ	2.9	148	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**32.0**
	4'		In-Situ	1.1	150	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**32.0**
V-12	0.5'	4/18/2025	In-Situ	0.0	149	---	---	---	---	---	---	---
	1'		In-Situ	2.7	148	---	---	---	---	---	---	---
	2'		In-Situ	3.3	148	---	---	---	---	---	---	---
	3'		In-Situ	8.7	152	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**64.0**
	4'		In-Situ	3.8	146	---	---	---	---	---	---	---
	6'		In-Situ	6.8	151	---	---	---	---	---	---	---
	8'		In-Situ	2.1	149	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**16.0**
V-13	0.5'	5/27/2025	In-Situ	0.7	88	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	**16.0**
	1'		In-Situ	0.9	148	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	**80.0**
	2'		In-Situ	0.4	211	---	---	---	---	---	---	---
	3'		In-Situ	0.3	148	---	---	---	---	---	---	---
	4'		In-Situ	0.2	143	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	**48.0**
V-14	0.5'	5/27/2025	In-Situ	0.6	90	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	<16.0
	1'		In-Situ	0.9	149	<0.250	<0.150	<10.0	<10.0	<10.0	<10.0	**16.0**
	2'		In-Situ	0.6	84	---	---	---	---	---	---	---
	3'		In-Situ	0.6	89	---	---	---	---	---	---	---
	4'		In-Situ	0.4	87	<0.250	<0.150	<10.0	<10.0	<10.0	<10.0	**80.0**
V-15	0.5'	5/27/2025	In-Situ	1.6	146	<0.250	<0.150	<10.0	<10.0	<10.0	<10.0	**112**
	1'		In-Situ	0.8	83	<0.250	<0.150	<10.0	<10.0	<10.0	<10.0	**32.0**
	2'		In-Situ	0.9	83	---	---	---	---	---	---	---
	3'		In-Situ	0.5	138	---	---	---	---	---	---	---
	4'		In-Situ	0.3	87	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	**32.0**
V-16	0.5'	5/22/2025	In-Situ	0.6	90	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	1'		In-Situ	0.7	151	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	2'		In-Situ	0.9	117	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	3'		In-Situ	1.0	86	---	---	---	---	---	---	---
	4'		In-Situ	0.2	303	<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[5]				**N/A**	**N/A**	**10**	**50**	**1,000**		**N/A**	**2,500**	**10,000**

TABLE 1
SOIL SAMPLE ANALYTICAL SUMMARY - DELINEATION SOIL SAMPLES
DCP Operating Company, LP
G-8 Line Leak - nAPP2427125865

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												
V-17	0.5'	5/22/2025	In-Situ	0.2	56	<0.050	<0.300	<10.0	**24.5**	<10.0	**24.5**	**64.0**
	1'		In-Situ	0.2	148	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	2'		In-Situ	0.7	118	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	3'		In-Situ	0.8	87	---	---	---	---	---	---	---
	4'		In-Situ	0.5	85	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
V-18	0.5'	5/22/2025	In-Situ	1.1	85	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	1'		In-Situ	1.3	85	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	2'		In-Situ	1.2	86	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**16.0**
	3'		In-Situ	0.1	87	---	---	---	---	---	---	---
	4'		In-Situ	0.1	89	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	**16.0**
V-19	0.5'	5/27/2025	In-Situ	0.2	203	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	<16.0
	1'		In-Situ	0.3	142	<0.250	<0.150	<10.0	<10.0	<10.0	<10.0	**160**
	2'		In-Situ	1.1	143	---	---	---	---	---	---	---
	3'		In-Situ	2.5	138	---	---	---	---	---	---	---
	4'		In-Situ	0.7	139	<0.250	<0.150	<10.0	<10.0	<10.0	<10.0	**32.0**
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[5]				**N/A**	**N/A**	**10**	**50**	**1,000**		**N/A**	**2,500**	**10,000**

Notes:

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

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 - Initial C-141

OCD Permitting

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

Submission Information

Submission ID:	387695	**Districts:**	Hobbs
Operator:	[36785] DCP OPERATING COMPANY, LP	**Counties:**	Lea
Description:	DCP OPERATING COMPANY, LP [36785] , G-8 Line Leak , nAPP2427125865		
Status:	SUBMITTED		
Status Date:	09/27/2024		
References (1):	nAPP2427125865		

Forms

Attachments: Volume Calculation

Questions

Prerequisites

Incident Operator	**[36785] DCP OPERATING COMPANY, LP**
Incident Type	**Blow Out**
Incident Status	**Initial C-141 Received**
Incident Well	*Unavailable.*
Incident Facility	*Unavailable.*

Location of Release Source

Please answer all the questions in this group.

Site Name	G-8 Line Leak
Date Release Discovered	09/25/2024
Surface Owner	State

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

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	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Blow Out | Pipeline (Any) | Condensate | Released: 27 BBL | Recovered: 0 BBL | Lost: 27 BBL.
Natural Gas Vented (Mcf) Details	Cause: Blow Out | Pipeline (Any) | Natural Gas Vented | Released: 53 MCF | Recovered: 0 MCF | Lost: 53 MC
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there **additional details** for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

Nature and Volume of Release (continued)

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

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

Initial Response

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

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

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follo 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 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 f 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 shc 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 do 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: Ray Smalts Title: Sr Environmental Eng/Spec Email: raymond.a.smalts@p66.com Date: 09/27/2024

Site Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	*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 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 ren then it should consult with the division to determine if another remediation plan submission is required.

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

No conditions found for this submission.

Reasons

No reasons found for this submission.

Fees

Summary:

		Created	Type	Amount	Status	Saved
8VLNU-240927-C-1410	Fee	9/27/2024	SB553 A.(2) [ADMIN]	$150.00	Paid [PAID]	9/27/2024
	Payment	9/27/2024	Credit Card [CC]	$150.00	Paid [PAID]	9/27/2024

Go Back

Appendix B – Depth to Groundwater Information

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 325115103314701

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 325115103314701 17S.34E.02.343442

Lea County, New Mexico
Latitude 32°51'25", Longitude 103°31'59" NAD27
Land-surface elevation 4,047.60 feet above NGVD29
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1961-02-08		D	62610		3963.08	NGVD29	1	Z			A
1961-02-08		D	62611		3964.62	NAVD88	1	Z			A
1961-02-08		D	72019	84.52			1	Z			A
1966-03-15		D	62610		3961.64	NGVD29	1	Z			A
1966-03-15		D	62611		3963.18	NAVD88	1	Z			A
1966-03-15		D	72019	85.96			1	Z			A
1971-02-16		D	62610		3961.45	NGVD29	1	Z			A
1971-02-16		D	62611		3962.99	NAVD88	1	Z			A
1971-02-16		D	72019	86.15			1	Z			A
1976-02-19		D	62610		3960.35	NGVD29	1	Z			A
1976-02-19		D	62611		3961.89	NAVD88	1	Z			A
1976-02-19		D	72019	87.25			1	Z			A
1981-01-21		D	62610		3958.82	NGVD29	1	Z			A
1981-01-21		D	62611		3960.36	NAVD88	1	Z			A
1981-01-21		D	72019	88.78			1	Z			A
1986-03-27		D	62610		3957.09	NGVD29	1	Z			A
1986-03-27		D	62611		3958.63	NAVD88	1	Z			A
1986-03-27		D	72019	90.51			1	Z			A
1990-12-18		D	62610		3955.15	NGVD29	1	Z			A
1990-12-18		D	62611		3956.69	NAVD88	1	Z			A
1990-12-18		D	72019	92.45			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surfac
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2024-09-26 12:18:45 EDT
0.34 0.23 nadww02

L-3011

Form WR-23 STATE ENGINEER OFFICE 491901

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(Plat of 640 acres)

(A) Owner of well Oscar Bourg Drilling, Inc.
Street and Number Box 73
City Midland, State Texas
Well was drilled under Permit No. L-3011 and is located in the N ½ ¼ S.E.U ¼ S.E.U ¼ of Section 2 Twp. 17S Rge. 34 E
(B) Drilling Contractor O.R. Musslewhite License No. WD-99
Street and Number Box 56
City Hobbs, State New Mexico
Drilling was commenced Nov. 8, 19 55
Drilling was completed Nov. 9, 19 55

Elevation at top of casing in feet above sea level ..... Total depth of well 121'
State whether well is shallow or artesian shallow Depth to water upon completion 80

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	90	121	31	Red sand, fine
2				
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
7	20	10	0	121	121	NONE	90	121

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used

RECEIVED
DEC 14 1955
OIL CONSERVATION COM.
HOBBS, N.M.

Section 5 PLUGGING RECORD

Name of Plugging Contractor ..... License No. .....
Street and Number ..... City ..... State .....
Tons of Clay used ..... Tons of Roughage used ..... Type of roughage .....
Plugging method used ..... Date Plugged ..... 19 .....
Plugging approved by:

Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received DEC 13 1955

OFFICE
GROUND WATER SUPERVISOR
ROSWELL, NEW MEXICO

File No. L-3011 Use Oil Location No. 17.34.2 4411

L 3 11

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	1	1	Brown	Soil & rock
1	36	35	White	Caliche & rock
36	70	34	Grey	Sandy shale
70	90	20	Red	Sand
90	121	31	Red	Sand, fine

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

O. B. Musselwhite

Well Driller

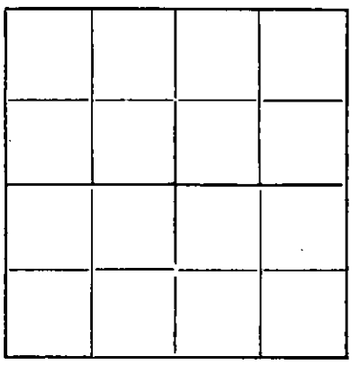
L-3011

Form WR-23 STATE ENGINEER OFFICE

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1



(Plat of 640 acres)

(A) Owner of well Oscar Bourg Drilling, Inc.

Street and Number Box 73

City Midland, State Texas

Well was drilled under Permit No. L-3011 and is located in the N ½ ¼ S.E.¼ S.E.¼ of Section 2 Twp. 17 S Rge. 34 E

(B) Drilling Contractor License No.

Street and Number

City State

Drilling was commenced 19

Drilling was completed 19

Elevation at top of casing in feet above sea level Total depth of well

State whether well is shallow or artesian Depth to water upon completion

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1				
2				
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used

STATE ENGINEER STATE N.M.
RECEIVED
DEC 14 1955
AM 7|8|9|10|11|12|1|2|3|4|5|6 PM

Section 5 PLUGGING RECORD

Name of Plugging Contractor O.R. Musslewhite License No. WD-99

Street and Number Box 56 City Hobbs, N. State New Mexico

Tons of Clay used Tons of Roughage used Type of roughage

Plugging method used Bridged with rock cement top Date Plugged Dec. 7, 19 55

Plugging approved by: Lonnie Jasper Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received DEC 13 1955

OFFICE GROUND WATER SUPERVISOR ROSWELL, NEW MEXICO

File No. L-3011 Use Oil Location No. 17 34 2 4 4 4

L 3011

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

O. R. Musselman Ltd.

Well Driller

(This form is to be executed in triplic

WELL RECORD

20455
49737

1956 JUL 30 AM 9:48

STATE ENGINEER OFFICE
SANTA FE, N. M.

Date of Receipt ..... Permit No. L-3241

Name of Permittee, Denver Drilling Co.

Street or P. O. 504 Leggett Building, City and State Midland, Texas

1. Well location and description: The Shallow (shallow or artesian) well is located in at a point ¼, NE ¼, NE ¼ of Section 10, Township 17 S, Range 34 E; Elevation of top of casing above sea level, ... feet; diameter of hole, 7 inches; total depth, 122 feet; depth to water upon completion, 92 feet; drilling was commenced July 10, 1956, and completed July 12, 1956 name of drilling contractor Cayton & Porter Drlg. Co. Lovington, NM; Address, Box 1021; Driller's License No. WD-183

2. Principal Water-bearing Strata:

	Depth in Feet From	To	Thickness	Description of Water-bearing Formation
No. 1	92	112	20	Water Sand
No. 2				
No. 3				
No. 4				
No. 5				

3. Casing Record:

Diameter in inches	Pounds per ft.	Threads per inch	Depth of Casing or Liner Top	Bottom	Feet of Casing	Type of Shoe	Perforation From	To
7	17	10	0	122	123	None	80	122

4. If above construction replaces old well to be abandoned, give location: ¼, ¼, ¼ of Section ....., Township ....., Range .....; name and address of plugging contractor, ...

date of plugging ....., 19....; describe how well was plugged: .....

FILED
JUL 19 1956
OFFICE
GROUND WATER SUPERVISOR
ROSWELL, NEW MEXICO

O.W.P.

17.34.10.220

5. Log of Well:

Depth in Feet From	Depth in Feet To	Thickness in feet	Description of Formation
0	1	1	Top Soil
1	8	7	Boulder
8	24	16	Caliche
24	92	68	Sand
92	112	20	Water Sand
112	122	10	Sandy Clay

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

CAYTON & PORTER DRILLING CO.
Licensed Well Driller
Jack Cayton

Instructions

This form shall be executed, preferably typewritten, in triplicate and filed with the State Engineer's Office at Roswell, New Mexico, within 10 days after drilling has been completed. Data on water-bearing strata and on all formations encountered should be as complete and accurate as possible.

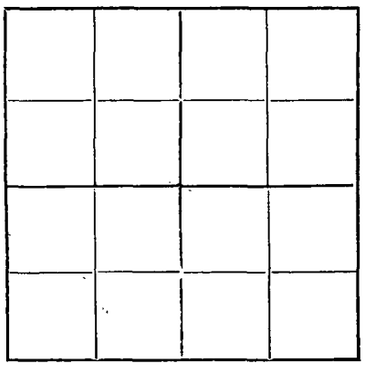
Form WR-23 Santa Fe STATE ENGINEER OFFICE

WELL RECORD

2045 L 49737

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1



(Plat of 640 acres)

(A) Owner of well Denver Drilling Corporation
Street and Number Box 669
City Odessa State Texas
Well was drilled under Permit No. File No. L-3241 and is located in the
NE ¼ NE ¼ ¼ of Section 10 Twp. 17S Rge. 34E
(B) Drilling Contractor License No.
Street and Number
City State
Drilling was commenced 19
Drilling was completed 19

Elevation at top of casing in feet above sea level Total depth of well
State whether well is shallow or artesian Depth to water upon completion

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1				
2				
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used

1958 SEP -5 AM 9:27
STATE ENGINEER OFFICE
SANTA FE, N. M.

Section 5 PLUGGING RECORD

Name of Plugging Contractor Denver Drilling Corporation License No.
Street and Number Box 669 City Odessa State Texas
Tons of Clay used Tons of Roughage used Type of roughage
Plugging method used Sand & gravel poured in hole, two sacks of cement, covered with top soil. Date Plugged July 12 1958
Plugging approved by: Howard E. Foberley Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received

FILED
AUG 27 1958
OFFICE
GROUND WATER SUPERVISOR
ROSWELL, NEW MEXICO

File No. L-3241 Use D.W.D. Location No. 17.34.10.220

Section 6 LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Well Driller

SANTA FE

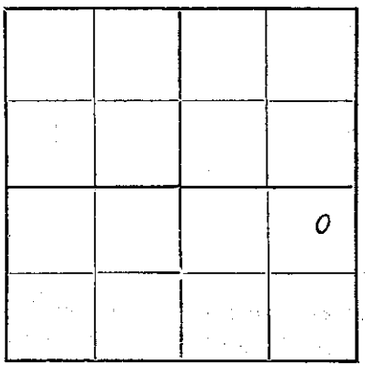
Form WR-23 STATE ENGINEER OFFICE [redacted] Bridges No. 122

WELL RECORD

507189

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1



(Plat of 640 acres)

(A) Owner of well MARCUM DRILLING COMPANY

Street and Number P.O. Box 5094

City Midland State Texas

Well was drilled under Permit No. L-6134 and is located in the ¼ NE ¼ SE ¼ of Section 3 Twp. 17 S Rge. 34 E

(B) Drilling Contractor Abbott Brothers License No. WD-46

Street and Number P.O. Box 637

City Hobbs State New Mexico

Drilling was commenced April 30 19

Drilling was completed May 1 19 67

Elevation at top of casing in feet above sea level Total depth of well 175

State whether well is shallow or artesian shallow Depth to water upon completion 95

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	95	175	80	Brown sand
2				
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
7	20	8	0	170	170	open	150	170
							4 rows 1/8 X 12"	

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used

STATE ENGINEER OFFICE SANTA FE, N. M. 1967 MAY 17 AM 9:22

Section 5 PLUGGING RECORD

Name of Plugging Contractor License No.

Street and Number City State

Tons of Clay used Tons of Roughage used Type of roughage

Plugging method used Date Plugged 19

Plugging approved by:

Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received MAY 11 1967 ✓

File No. L-6134 Use O.W.D. Location No. 17.34.3.420

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	12	12		caliche
12	40	28		sandy clay
40	95	55	brown	sand
95	175	80	brown	sand, water

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Murrell Abbott Jr

Well Driller

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

SANTA FE 1973 FEB 14 P. 12:50 STATE ENGINEER

56189

Section 1. GENERAL INFORMATION

(A) Owner of well Marcum Drilling Company Owner's Well No. Bridges St. # 122

Street or Post Office Address Box 5094

City and State ~~XXXXXX~~ Midland, Texas

Well was drilled under Permit No. L-6134 and is located in the:

a. ____ ¼ ✓ ¼ NE ¼ SE ¼ of Section 3 Township 17-S Range 34-E N.M.P.M.

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____ Subdivision, recorded in ____ County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

(B) Drilling Contractor ____ License No. ____

Address ____

Drilling Began ____ Completed ____ Type tools ____ Size of hole ____ in.

Elevation of land surface or ____ at well is ____ ft. Total depth of well ____ ft.

Completed well is ☐ shallow ☐ artesian. Depth to water upon completion of well ____ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor Abbott Bros.

Address Box 637 Hobbs, N.M.

Plugging Method Steel Cap

Date Well Plugged Jan. 15, 1973

Plugging approved by: James D. Knight

State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received

Quad ____ FWL ____ FSL ____

File No. L-6134 Use OWD Location No. 17.34.3.420

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, [redacted]ction 5, shall be answered as complete[redacted]curately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

Form WR-23 STATE ENGINEER OFFICE

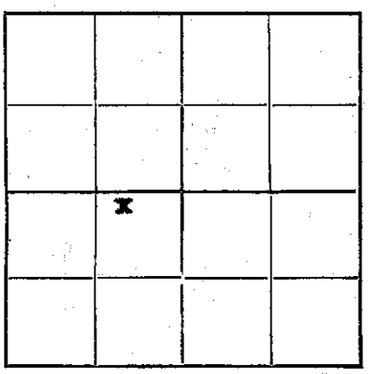
FIELD ENGR. LOG SANTA FE

04770

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1



(Plat of 640 acres)

(A) Owner of well Cactus Corporation

Street and Number Box 32

City Midland State Texas

Well was drilled under Permit No. L-6771-E and is located in the N W ¼ N W ¼ S E ¼ of Section 12 Twp. 17S Rge. 34 E

(B) Drilling Contractor E.H. Sumruld License No. WD 230

Street and Number 606 West Avenue I

City Lovington State New Mexico

Drilling was commenced Feb. 25 19 71

Drilling was completed Feb. 28 19 71

Elevation at top of casing in feet above sea level ____ Total depth of well 165 ft.

State whether well is shallow or artesian shallow Depth to water upon completion 66 ft.

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	90	140	50	sand with stringers of sandstone
2	140	165	25	sand with sand gravel
3				
4				
5				

1971 MAR 19 AM 10:55 STATE ENGINEER OFFICE SANTA FE, N. M.

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
7o.d.	17		0	165	165		135	165

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used

Section 5 PLUGGING RECORD

Name of Plugging Contractor ____ License No. ____

Street and Number ____ City ____ State ____

Tons of Clay used ____ Tons of Roughage used ____ Type of roughage ____

Plugging method used ____ Date Plugged ____ 19 ____

Plugging approved by:

____
Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received ____

File No. L-6771-E Use OWD Location No. 17.34.12.411

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	1	1	red-brown	surface soil
1	28	27	grey-brown	caliche with layers of flint rock
28	90	62	grey	sand and sandstone layers
90	140	50	red-brown	sand with stringers of sandstone
140	165	25	red	sand with sand gravel

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

E. K. Sumrall

Well Driller

Plat map 1 State "W" well

Form WR-23

STATE ENGINEER OFFICE

511596

FIELD ENGR. LOG

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

180' SW of Lyman #1W State which is	1780FNL	1980FWL	

(Plat of 640 acres)

(A) Owner of well Delta Drilling Company Lyman State #1W

Street and Number Box 866

City Odessa, Texas State

Well was drilled under Permit No. L-6894(E) and is located in the SE ¼ SE ¼ NE ¼ of Section 10 Twp. 17 Rge. 34

(B) Drilling Contractor Abbott Bros. License No. WD-46

Street and Number Box 637

City Hobbs, N.M. State

Drilling was commenced Jan. 20, 1972 19

Drilling was completed Jan. 21, 197 19

Elevation at top of casing in feet above sea level Total depth of well 175

State whether well is shallow or artesian shallow Depth to water upon completion 103

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	103	170	67	sand (water)
2				
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
7	21	10	1	175	175	none	115	170

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used

Section 5 PLUGGING RECORD

Name of Plugging Contractor License No.

Street and Number City State

Tons of Clay used Tons of Roughage used Type of roughage

Plugging method used Date Plugged 19

Plugging approved by:

Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received

File No. L-6894 (E) Use OWD Location No. 17.34.10.244

8/24/72

14144

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	2	2	brown	surface soil
2	21	19	gray	caliche
21	72	51	brown	sand tight
72	103	~~67~~ 31	brown	sand dry
103	170	67	brown	sand water
170	175	5	brown	sandy clay

L S Elev 4061 ✓
Depth to K Trc 7175 ✓
Elev of K Trc <3886 ✓

Loc. No. 17.34.10.14144
Hydro. Survey _____ Field Check X

SOURCE OF ALTITUDE GIVEN
Interpolated from Topo. Sheet X
Determined by Inst. Leveling _____
Other _____

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well

Murrell Cobbett
Well Driller

Form WR-23

FIELD ENGR. LOG

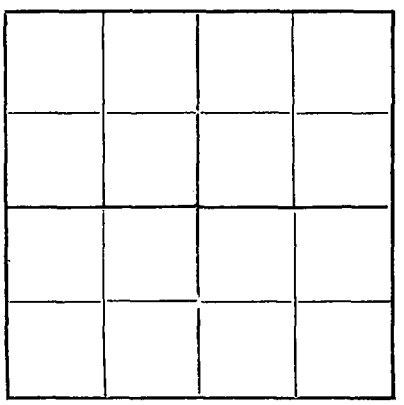
STATE ENGINEER OFFICE

WELL RECORD

504470

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1



(Plat of 640 acres)

(A) Owner of well Marown Drilling Co.

Street and Number P. O. Box 5094

City Midland State Texas

Well was drilled under Permit No. L-5806 and is located in the

¼ NE ¼ NE ¼ of Section 11 Twp. 17 S Rge. 34 E

(B) Drilling Contractor Abbott Brothers License No. WD 46

Street and Number P. O. Box 637

City Hobbs State New Mexico

Drilling was commenced November 3 19 65

Drilling was completed November 3 19 65

Elevation at top of casing in feet above sea level ____ Total depth of well 155

State whether well is shallow or artesian Shallow Depth to water upon completion 105

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	110	155	45	Water sand
2				
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
7	24	8	0	155	155	open	110	155

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used

Section 5 PLUGGING RECORD

Name of Plugging Contractor ____ License No. ____

Street and Number ____ City ____ State ____

Tons of Clay used ____ Tons of Roughage used ____ Type of roughage ____

Plugging method used ____ Date Plugged ____ 19 ____

Plugging approved by:

____
Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received STATE ENGINEER OFFICE DISTRICT II ROSWELL, N. MEX. NOV 18 AM 8:46 1965

File No. L-5806 Use owo Location No. 17.34.11.220

ok - d

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	1	1		soil
1	20	19		caliche
20	50	30		dry sand
50	110	60		sand
110	155	45		water sand

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Murrell Abbott Jr

Well Driller

504440

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

SANTA FE

Section 1. GENERAL INFORMATION

(A) Owner of well Marcum Drilling Company Owner's Well No. Bridges St. # 1
Street or Post Office Address Box 5094
City and State Midland, Texas

Well was drilled under Permit No. L-5806 and is located in the:

a. ____ ¼ SW ¼ NE ¼ NE ¼ of Section 11 Township 17-S Range 34-E N.M.P.M.

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____
Subdivision, recorded in ____ County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

1973 FEB 14 PM 12:02
STATE ENGINEER OFFICE
SANTA FE, N.M.

(B) Drilling Contractor ____ License No. ____

Address ____

Drilling Began ____ Completed ____ Type tools ____ Size of hole ____ in.

Elevation of land surface or ____ at well is ____ ft. Total depth of well ____ ft.

Completed well is ☐ shallow ☐ artesian. Depth to water upon completion of well ____ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor Abbott Bros.
Address Box 637 Hobbs, N.M.
Plugging Method Steel Cap
Date Well Plugged Jan. 25, 1973
Plugging approved by: James Hough
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received

ROSWELL, N. MEX.
DISTRICT II
STATE ENGINEER OFFICE
1973 JAN 31 AM 8:26

Quad ____ FWL ____ FSL ____

File No. L-5806 Use owd Location No. 17.34.11.223

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

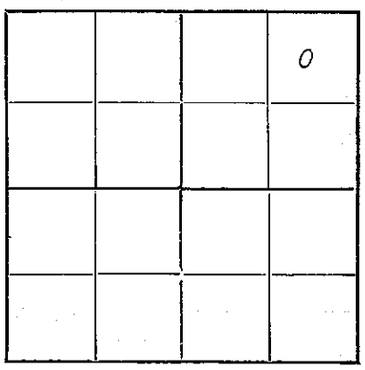
INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, e[illegible] Section 5, shall be answered as complete[illegible]ccurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

Form WR-23 SANTA FE [redacted] STATE ENGINEER OFFICE [redacted]ennzoil Gallagar State No. 1 30594

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1



(Plat of 640 acres)

(A) Owner of well Lowe Drilling Co., Inc.
Street and Number P. O. Box 832
City Midland State Texas
Well was drilled under Permit No. L-6074 and is located in the
¼ NE ¼ NE ¼ of Section 3 Twp. 17 S Rge. 34 E
(B) Drilling Contractor Abbott Brothers License No. WD- 46
Street and Number P. O. Box 637
City Hobbs State New Mexico
Drilling was commenced November 18 19 66
Drilling was completed November 19 19 66

Elevation at top of casing in feet above sea level ____ Total depth of well 172
State whether well is shallow or artesian shallow Depth to water upon completion 95

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	95	140	45	Sand, water, loose
2	140	172	32	Sand, firm
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
7			-0.5	172	172.5	Open	108.8	172
							4 rows 1/8	X 12

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used

Section 5 PLUGGING RECORD

Name of Plugging Contractor ____ License No. ____
Street and Number ____ City ____ State ____
Tons of Clay used ____ Tons of Roughage used ____ Type of roughage ____
Plugging method used ____ Date Plugged ____ 19 ____
Plugging approved by:

Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received STATE ENGINEER OFFICE DISTRICT II ROSWELL, N. MEX. 1966 DEC -1 AM 8:34

File No. L-6074 Use OWN Location No. 17.34.3.220

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	1	1		Surface soil
1	28	27		Caliche
28	61	33		Sand, tight
61	95	34		Sand, loose
95	140	45		Sand, loose, water
140	172	32		Sand, firm

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Murrell Abbott

Well Driller

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 325107103321801

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 325107103321801 17S.34E.10.22321

Lea County, New Mexico
Latitude 32°51'16", Longitude 103°32'33" NAD27
Land-surface elevation 4,056.70 feet above NGVD29
The depth of the well is 122 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1961-02-07		D	62610		3965.80	NGVD29	1	Z			A
1961-02-07		D	62611		3967.35	NAVD88	1	Z			A
1961-02-07		D	72019	90.90			1	Z			A
1966-03-15		D	62610		3965.26	NGVD29	1	Z			A
1966-03-15		D	62611		3966.81	NAVD88	1	Z			A
1966-03-15		D	72019	91.44			1	Z			A
1971-02-16		D	62610		3964.71	NGVD29	1	Z			A
1971-02-16		D	62611		3966.26	NAVD88	1	Z			A
1971-02-16		D	72019	91.99			1	Z			A
1976-03-02		D	62610		3963.34	NGVD29	1	Z			A
1976-03-02		D	62611		3964.89	NAVD88	1	Z			A
1976-03-02		D	72019	93.36			1	Z			A
1981-01-21		D	62610		3961.41	NGVD29	1	Z			A
1981-01-21		D	62611		3962.96	NAVD88	1	Z			A
1981-01-21		D	72019	95.29			1	Z			A
1986-03-27		D	62610		3959.01	NGVD29	1	Z			A
1986-03-27		D	62611		3960.56	NAVD88	1	Z			A
1986-03-27		D	72019	97.69			1	Z			A
1990-12-18		D	62610		3957.08	NGVD29	1	Z			A
1990-12-18		D	62611		3958.63	NAVD88	1	Z			A
1990-12-18		D	72019	99.62			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2025-08-01 11:59:59 EDT
0.35 0.29 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 325150103320601

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 325150103320601 17S.34E.02.13100

Lea County, New Mexico
Latitude 32°52'00", Longitude 103°32'18" NAD27
Land-surface elevation 4,057.10 feet above NGVD29
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1961-03-15		D	62610		3971.03	NGVD29	P	Z			A
1961-03-15		D	62611		3972.58	NAVD88	P	Z			A
1961-03-15		D	72019	86.07			P	Z			A
1966-02-21		D	62610		3971.31	NGVD29	P	Z			A
1966-02-21		D	62611		3972.86	NAVD88	P	Z			A
1966-02-21		D	72019	85.79			P	Z			A
1971-02-16		D	62610		3971.16	NGVD29	P	Z			A
1971-02-16		D	62611		3972.71	NAVD88	P	Z			A
1971-02-16		D	72019	85.94			P	Z			A
1976-02-19		D	62610		3971.75	NGVD29	1	Z			A
1976-02-19		D	62611		3973.30	NAVD88	1	Z			A
1976-02-19		D	72019	85.35			1	Z			A
1981-01-21		D	62610		3970.00	NGVD29	1	Z			A
1981-01-21		D	62611		3971.55	NAVD88	1	Z			A
1981-01-21		D	72019	87.10			1	Z			A
1986-03-27		D	62610		3966.47	NGVD29	1	Z			A
1986-03-27		D	62611		3968.02	NAVD88	1	Z			A
1986-03-27		D	72019	90.63			1	Z			A
1990-12-18		D	62610		3964.20	NGVD29	1	Z			A
1990-12-18		D	62611		3965.75	NAVD88	1	Z			A
1990-12-18		D	72019	92.90			1	Z			A
1996-02-14		D	62610		3963.95	NGVD29	1	S			A
1996-02-14		D	62611		3965.50	NAVD88	1	S			A
1996-02-14		D	72019	93.15			1	S			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet

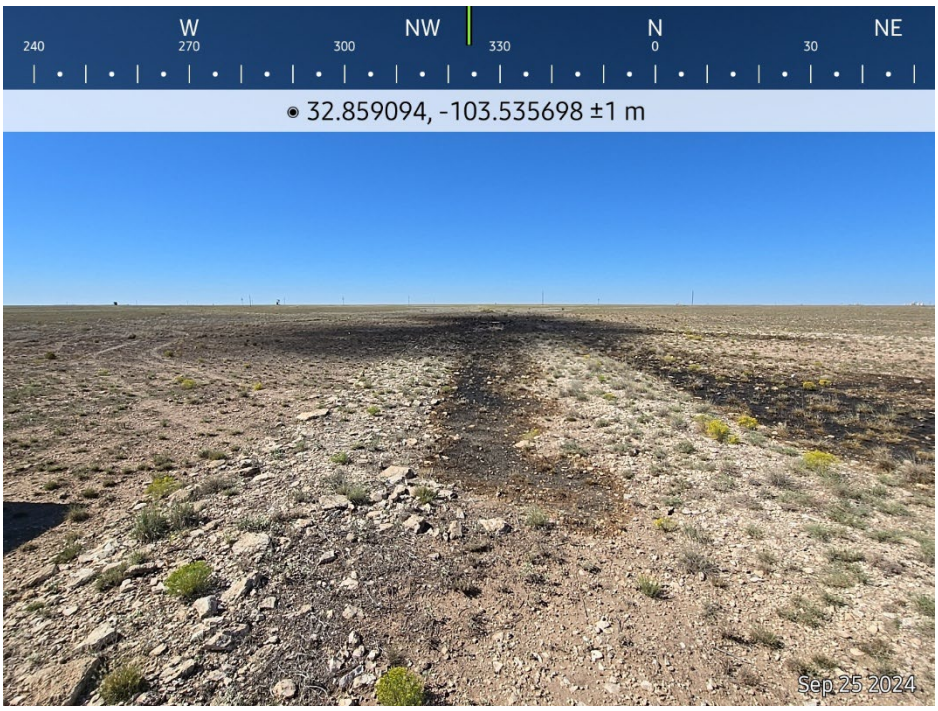
Section	Code	Description
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes

Appendix C – Photographic Log

DCP Operating Company

G-8 Line Leak - nAPP2427125865



DCP Operating Company

G-8 Line Leak - nAPP2427125865

DCP Operating Company

G-8 Line Leak - nAPP2427125865

DCP Operating Company

G-8 Line Leak - nAPP2427125865

Appendix D – Certified Laboratory Analytical Reports

CARDINAL Laboratories

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

April 24, 2025

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 8242_G-8 LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 04/17/25 8:07.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/17/2025	Sampling Date:	04/16/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 10 @ 3' (H252302-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2025	ND	2.08	104	2.00	7.82	
Toluene*	<0.050	0.050	04/21/2025	ND	1.98	98.9	2.00	8.34	
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.89	94.6	2.00	6.76	
Total Xylenes*	<0.150	0.150	04/21/2025	ND	5.70	94.9	6.00	6.18	
Total BTEX	<0.300	0.300	04/21/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	04/17/2025	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	04/17/2025	ND	217	109	200	0.189	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	205	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *82.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/17/2025	Sampling Date:	04/16/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 10 @ 7' (H252302-07)

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	04/21/2025	ND	2.08	104	2.00	7.82	
Toluene*	<0.050	0.050	04/21/2025	ND	1.98	98.9	2.00	8.34	
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.89	94.6	2.00	6.76	
Total Xylenes*	<0.150	0.150	04/21/2025	ND	5.70	94.9	6.00	6.18	
Total BTEX	<0.300	0.300	04/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/17/2025	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	04/17/2025	ND	217	109	200	0.189	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	205	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *81.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/17/2025	Sampling Date:	04/16/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 1 @ 2' (H252302-10)

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	04/21/2025	ND	2.08	104	2.00	7.82	
Toluene*	**0.190**	0.050	04/21/2025	ND	1.98	98.9	2.00	8.34	
Ethylbenzene*	**0.053**	0.050	04/21/2025	ND	1.89	94.6	2.00	6.76	
Total Xylenes*	<0.150	0.150	04/21/2025	ND	5.70	94.9	6.00	6.18	
Total BTEX	**0.389**	0.300	04/21/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**720**	16.0	04/17/2025	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*	**25.2**	10.0	04/17/2025	ND	217	109	200	0.189	
DRO >C10-C28*	**628**	10.0	04/17/2025	ND	205	102	200	2.94	
EXT DRO >C28-C36	**43.5**	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *96.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/17/2025	Sampling Date:	04/16/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 1 @ 3' (H252302-11)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2025	ND	2.08	104	2.00	7.82	
Toluene*	<0.050	0.050	04/21/2025	ND	1.98	98.9	2.00	8.34	
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.89	94.6	2.00	6.76	
Total Xylenes*	<0.150	0.150	04/21/2025	ND	5.70	94.9	6.00	6.18	
Total BTEX	<0.300	0.300	04/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	04/17/2025	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	04/17/2025	ND	217	109	200	0.189	
DRO >C10-C28*	**64.8**	10.0	04/17/2025	ND	205	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *81.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/17/2025	Sampling Date:	04/16/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 9 @ 0.5' (H252302-12)

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	04/23/2025	ND	2.21	110	2.00	1.33	
Toluene*	<0.050	0.050	04/23/2025	ND	2.15	108	2.00	0.214	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.26	113	2.00	1.50	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.85	114	6.00	1.86	
Total BTEX	<0.300	0.300	04/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	**48.0**	16.0	04/22/2025	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2025	ND	204	102	200	0.0657	
DRO >C10-C28*	**14.9**	10.0	04/22/2025	ND	192	95.9	200	0.772	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *73.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *73.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/17/2025	Sampling Date:	04/16/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 9 @ 2' (H252302-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2025	ND	2.08	104	2.00	7.82	
Toluene*	<0.050	0.050	04/21/2025	ND	1.98	98.9	2.00	8.34	
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.89	94.6	2.00	6.76	
Total Xylenes*	<0.150	0.150	04/21/2025	ND	5.70	94.9	6.00	6.18	
Total BTEX	<0.300	0.300	04/21/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	04/17/2025	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	04/17/2025	ND	217	109	200	0.189	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	205	102	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *78.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/17/2025	Sampling Date:	04/16/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 9 @ 4' (H252302-16)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2025	ND	2.08	104	2.00	7.82	
Toluene*	<0.050	0.050	04/21/2025	ND	1.98	98.9	2.00	8.34	
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.89	94.6	2.00	6.76	
Total Xylenes*	<0.150	0.150	04/21/2025	ND	5.70	94.9	6.00	6.18	
Total BTEX	<0.300	0.300	04/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/17/2025	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	04/17/2025	ND	210	105	200	0.493	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	200	99.9	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *65.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *64.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/17/2025	Sampling Date:	04/16/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 3 @ 2' (H252302-19)

BTEX 8021B mg/kg Analyzed By: JH S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.153**	0.050	04/24/2025	ND	2.08	104	2.00	7.82	
Toluene*	**9.20**	0.050	04/24/2025	ND	1.98	98.9	2.00	8.34	
Ethylbenzene*	**5.23**	0.050	04/24/2025	ND	1.89	94.6	2.00	6.76	
Total Xylenes*	**15.2**	0.150	04/24/2025	ND	5.70	94.9	6.00	6.18	
Total BTEX	**29.8**	0.300	04/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *283 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1230**	16.0	04/17/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**752**	10.0	04/17/2025	ND	210	105	200	0.493	
DRO >C10-C28*	**3630**	10.0	04/17/2025	ND	200	99.9	200	1.12	
EXT DRO >C28-C36	**280**	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *252 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *129 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/17/2025	Sampling Date:	04/16/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 3 @ 4' (H252302-21)

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	04/24/2025	ND	2.08	104	2.00	7.82	
Toluene*	**0.055**	0.050	04/24/2025	ND	1.98	98.9	2.00	8.34	
Ethylbenzene*	**0.319**	0.050	04/24/2025	ND	1.89	94.6	2.00	6.76	
Total Xylenes*	**0.879**	0.150	04/24/2025	ND	5.70	94.9	6.00	6.18	
Total BTEX	**1.25**	0.300	04/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	04/17/2025	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*	**26.2**	10.0	04/17/2025	ND	210	105	200	0.493	
DRO >C10-C28*	**147**	10.0	04/17/2025	ND	200	99.9	200	1.12	
EXT DRO >C28-C36	**23.3**	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *79.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.0 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/17/2025	Sampling Date:	04/16/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 7 @ 4' (H252302-26)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2025	ND	2.08	104	2.00	7.82	
Toluene*	<0.050	0.050	04/21/2025	ND	1.98	98.9	2.00	8.34	
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.89	94.6	2.00	6.76	
Total Xylenes*	<0.150	0.150	04/21/2025	ND	5.70	94.9	6.00	6.18	
Total BTEX	<0.300	0.300	04/21/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	04/17/2025	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	04/17/2025	ND	210	105	200	0.493	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	200	99.9	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *77.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.1 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/17/2025	Sampling Date:	04/16/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 7 @ 8' (H252302-28)

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	04/21/2025	ND	2.12	106	2.00	5.70	
Toluene*	<0.050	0.050	04/21/2025	ND	2.14	107	2.00	0.601	
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	2.26	113	2.00	1.08	
Total Xylenes*	<0.150	0.150	04/21/2025	ND	6.67	111	6.00	2.26	
Total BTEX	<0.300	0.300	04/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	04/17/2025	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	04/17/2025	ND	210	105	200	0.493	
DRO >C10-C28*	<10.0	10.0	04/17/2025	ND	200	99.9	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	04/17/2025	ND					

Surrogate: 1-Chlorooctane *69.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.1 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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

		BILL TO	
Company Name: Tasman Geosciences		**P.O. #:**	
Project Manager: Kyle Norman		**Company:** Tasman Geo	
Address: 2620 W. Marland Blvd.		**Attn:** Kyle Norman	
City: Hobbs	**State:** NM **Zip:** 88240	**Address:** 2620 W. Marland	
Phone #: 575-318-5017	**Fax #:**	**City:** Hobbs	
Project #:	**Project Owner:** DCP Midstream	**State:** NM **Zip:** 88240	
Project Name: 8242_ G-8 Line Leak		**Phone #:** 575-318-5017	
Project Location:		**Fax #:**	
Sampler Name: Bianca Martinez			

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 Ext	BTEX	Chlorides	Hold	24-hr Rush
H252303																			
1	V-10 @ 0.5'		1			X					X		4/16/25	8:39				X	
2	V-10 @ 1'		1			X					X		4/16/25	8:42				X	
3	V-10 @ 2'		1			X					X		4/16/25	8:46				X	
4	V-10 @ 3'		1			X					X		4/16/25	8:55	X	X	X		
5	V-10 @4'		1			X					X		4/16/25	9:03				X	
6	V-10 @ 6'		1			X					X		4/16/25	9:18				X	
7	V-10 @ 7'		1			X					X		4/16/25	10:26	X	X	X		
8	V-1 @ 0.5'		1			X					X		4/16/25	10:29				X	
9	V-1 @ 1'		1			X					X		4/16/25	10:56				X	
10	V-1 @ 2'		1			X					X		4/16/25	11:15	X	X	X		

Relinquished By: Bianca Martinez	Date: 4/17/2025 Time: 0807	Received By: S Rodriguez	Phone Result: ☐ Yes ☑ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☑ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.5°C/CT0.3: 1.8° #140	Sample Condition Cool: Intact ☐ Yes ☐ Yes ☐ No ☐ No	CHECKED BY: (Initials) SR	REMARKS: email results: NMData@tasman-geo.com; Albert.L.Hyman@p66.com, Stephen.Weathers@p66.com, Bmartinez@tasman-geo.com

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences	**BILL TO**
Project Manager: Kyle Norman	**P.O. #:**
Address: 2620 W. Marland Blvd.	**Company:** Tasman Geo
City: Hobbs **State:** NM **Zip:** 88240	**Attn:** Kyle Norman
Phone #: 575-318-5017 **Fax #:**	**Address:** 2620 W. Marland
Project #: **Project Owner:** DCP Midstream	**City:** Hobbs
Project Name: 8242_ G-8 Line Leak	**State:** NM **Zip:** 88240
Project Location:	**Phone #:** 575-318-5017
Sampler Name: Bianca Martinez	**Fax #:**

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 Ext	BTEX	Chlorides	Hold	24-hr Rush
H252302																			
11	V-1 @ 3'		1			X					X		4/16/25	11:38	X	X	X		
12	V-9 @ 0.5		1			X					X		4/16/25	12:49				X	
13	V-9 @ 1'		1			X					X		4/16/25	13:04				X	
14	V-9 @ 2'		1			X					X		4/16/25	13:18	X	X	X		
15	V-9 @ 3'		1			X					X		4/16/25	13:31				X	
16	V-9 @ 4'		1			X					X		4/16/25	13:44	X	X	X		
17	V-3 @ 0.5'		1			X					X		4/16/25	13:52				X	
18	V-3 @ 1'		1			X					X		4/16/25	13:56				X	
19	V-3 @ 2'		1			X					X		4/16/25	14:02	X	X	X		
20	V-3 @ 3'		1			X					X		4/16/25	14:11				X	

Hold Samples Standard TAT 4/25/25

Relinquished By: Bianca Martinez	Date: 4/17/2025 Time: 0807	Received By: S Rodriguez	Phone Result: ☐ Yes ☑ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☑ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.5c) CT0.3: 1.8c #140	Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No	CHECKED BY: (Initials) SR	REMARKS: email results: NMData@tasman-geo.com; Albert.L.Hyman@p66.com, Stephen.Weathers@p66.com, Bmartinez@tasman-geo.com

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences		**BILL TO**	
Project Manager: Kyle Norman		**P.O. #:**	
Address: 2620 W. Marland Blvd.		**Company:** Tasman Geo	
City: Hobbs	**State:** NM **Zip:** 88240	**Attn:** Kyle Norman	
Phone #: 575-318-5017	**Fax #:**	**Address:** 2620 W. Marland	
Project #:	**Project Owner:** DCP Midstream	**City:** Hobbs	
Project Name: 8242_ G-8 Line Leak		**State:** NM **Zip:** 88240	
Project Location:		**Phone #:** 575-318-5017	
Sampler Name: Bianca Martinez		**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 Ext	BTEX	Chlorides	Hold	24-hr Rush
H252302																			
21	V-3 @ 4'	G	1			X					X		4/16/25	14:19	X	X	X		
22	V-7 @ 0.5'	G	1			X					X		4/16/25	14:33				X	
23	V-7 @ 1'	G	1			X					X		4/16/25	14:39				X	
24	V-7 @ 2'	G	1			X					X		4/16/25	14:45				X	
25	V-7 @ 3'	G	1			X					X		4/16/25	14:51				X	
26	V-7 @ 4'	G	1			X					X		4/16/25	14:58	X	X	X		
27	V-7 @ 6'	G	1			X					X		4/16/25	15:05				X	
28	V-7 @ 8'	G	1			X					X		4/16/25	15:12	X	X	X		

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

Relinquished By: Bianca Martinez	Date: 4/17/2025 Time: 0807	Received By: S Rodriguez	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.5: C+0.3: 18: #140	Sample Condition Cool Intact ☐ ~~Yes~~ ☐ ~~Yes~~ ☐ No ☐ No	CHECKED BY: (Initials) SR	REMARKS: email results: NMData@tasman-geo.com; Albert.L.Hyman@p66.com, Stephen.Weathers@p66.com, Bmartinez@tasman-geo.com

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

CARDINAL Laboratories

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

April 25, 2025

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 8242_G-8 LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 04/21/25 8:24.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/21/2025	Sampling Date:	04/17/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 2 @ 2' (H252344-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	2.01	100	2.00	1.69	
Toluene*	<0.050	0.050	04/23/2025	ND	2.04	102	2.00	2.79	
Ethylbenzene*	**0.076**	0.050	04/23/2025	ND	2.02	101	2.00	3.06	GC-NC1
Total Xylenes*	<0.150	0.150	04/23/2025	ND	5.98	99.7	6.00	2.81	
Total BTEX	<0.300	0.300	04/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *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	**2240**	16.0	04/23/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2025	ND	192	96.1	200	1.43	
DRO >C10-C28*	**17.3**	10.0	04/22/2025	ND	171	85.6	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *93.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/21/2025	Sampling Date:	04/17/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 2 @ 4' (H252344-05)

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	04/23/2025	ND	2.01	100	2.00	1.69	
Toluene*	<0.050	0.050	04/23/2025	ND	2.04	102	2.00	2.79	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.02	101	2.00	3.06	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	5.98	99.7	6.00	2.81	
Total BTEX	<0.300	0.300	04/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.1 %* *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	**1070**	16.0	04/23/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2025	ND	192	96.1	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	171	85.6	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *92.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/21/2025	Sampling Date:	04/17/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 2 @ 8' (H252344-07)

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	04/23/2025	ND	2.01	100	2.00	1.69	
Toluene*	<0.050	0.050	04/23/2025	ND	2.04	102	2.00	2.79	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.02	101	2.00	3.06	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	5.98	99.7	6.00	2.81	
Total BTEX	<0.300	0.300	04/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.0 %* *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	04/23/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2025	ND	192	96.1	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	171	85.6	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *97.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.2 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/21/2025	Sampling Date:	04/17/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 11 @ 3' (H252344-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	2.01	100	2.00	1.69	
Toluene*	<0.050	0.050	04/23/2025	ND	2.04	102	2.00	2.79	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.02	101	2.00	3.06	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	5.98	99.7	6.00	2.81	
Total BTEX	<0.300	0.300	04/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.0 %* *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	04/23/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2025	ND	192	96.1	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	171	85.6	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *92.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.7 %* *40.6-153*

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CARDINAL Laboratories

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:	04/21/2025	Sampling Date:	04/17/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 11 @ 4' (H252344-12)

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	04/23/2025	ND	2.15	108	2.00	1.41	
Toluene*	<0.050	0.050	04/23/2025	ND	2.24	112	2.00	0.708	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.05	103	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.12	102	6.00	1.38	
Total BTEX	<0.300	0.300	04/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/23/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2025	ND	192	96.1	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	171	85.6	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *91.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.5 %* *40.6-153*

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Analytical Results For:

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

Received:	04/21/2025	Sampling Date:	04/17/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 8 @ 1' (H252344-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	2.15	108	2.00	1.41	
Toluene*	<0.050	0.050	04/23/2025	ND	2.24	112	2.00	0.708	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.05	103	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.12	102	6.00	1.38	
Total BTEX	<0.300	0.300	04/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/23/2025	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	04/22/2025	ND	192	96.1	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	171	85.6	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *86.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.8 %* *40.6-153*

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Analytical Results For:

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

Received:	04/21/2025	Sampling Date:	04/17/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 8 @ 3' (H252344-16)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	2.15	108	2.00	1.41	
Toluene*	<0.050	0.050	04/23/2025	ND	2.24	112	2.00	0.708	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.05	103	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.12	102	6.00	1.38	
Total BTEX	<0.300	0.300	04/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/23/2025	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	04/22/2025	ND	192	96.1	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	171	85.6	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *95.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.6 %* *40.6-153*

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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:	04/21/2025	Sampling Date:	04/17/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 6 @ 0.5' (H252344-17)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	2.15	108	2.00	1.41	
Toluene*	<0.050	0.050	04/23/2025	ND	2.24	112	2.00	0.708	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.05	103	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.12	102	6.00	1.38	
Total BTEX	<0.300	0.300	04/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/23/2025	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	04/22/2025	ND	192	96.1	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	171	85.6	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *96.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.2 %* *40.6-153*

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CARDINAL Laboratories

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:	04/21/2025	Sampling Date:	04/17/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 6 @ 4' (H252344-21)

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	04/23/2025	ND	2.15	108	2.00	1.41	
Toluene*	<0.050	0.050	04/23/2025	ND	2.24	112	2.00	0.708	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.05	103	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.12	102	6.00	1.38	
Total BTEX	<0.300	0.300	04/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	04/23/2025	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	04/22/2025	ND	192	96.1	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	171	85.6	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *92.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.8 %* *40.6-153*

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CARDINAL Laboratories

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:	04/21/2025	Sampling Date:	04/17/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 6 @ 8' (H252344-23)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	2.15	108	2.00	1.41	
Toluene*	<0.050	0.050	04/23/2025	ND	2.24	112	2.00	0.708	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.05	103	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.12	102	6.00	1.38	
Total BTEX	<0.300	0.300	04/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	04/23/2025	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	04/22/2025	ND	192	96.1	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	171	85.6	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *92.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.0 %* *40.6-153*

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Analytical Results For:

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

Received:	04/21/2025	Sampling Date:	04/17/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 4 @ 1' (H252344-25)

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	04/23/2025	ND	2.15	108	2.00	1.41	
Toluene*	<0.050	0.050	04/23/2025	ND	2.24	112	2.00	0.708	
Ethylbenzene*	**0.334**	0.050	04/23/2025	ND	2.05	103	2.00	1.28	GC-NC1
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.12	102	6.00	1.38	
Total BTEX	**0.334**	0.300	04/23/2025	ND					GC-NC1

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	04/23/2025	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*	**15.8**	10.0	04/22/2025	ND	192	96.1	200	1.43	
DRO >C10-C28*	**741**	10.0	04/22/2025	ND	171	85.6	200	3.62	
EXT DRO >C28-C36	**73.0**	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *78.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.2 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	04/21/2025	Sampling Date:	04/17/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 4 @ 4' (H252344-28)

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	04/23/2025	ND	2.15	108	2.00	1.41	
Toluene*	<0.050	0.050	04/23/2025	ND	2.24	112	2.00	0.708	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.05	103	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.12	102	6.00	1.38	
Total BTEX	<0.300	0.300	04/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	04/23/2025	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	04/22/2025	ND	192	96.1	200	1.43	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	171	85.6	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *90.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/21/2025	Sampling Date:	04/17/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 4 @ 8' (H252344-30)

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	04/23/2025	ND	2.15	108	2.00	1.41	
Toluene*	<0.050	0.050	04/23/2025	ND	2.24	112	2.00	0.708	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.05	103	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.12	102	6.00	1.38	
Total BTEX	<0.300	0.300	04/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/23/2025	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	04/22/2025	ND	210	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	221	110	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *93.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.9 %* *40.6-153*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/21/2025	Sampling Date:	04/18/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 12 @ 3' (H252344-34)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	2.15	108	2.00	1.41	
Toluene*	<0.050	0.050	04/23/2025	ND	2.24	112	2.00	0.708	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.05	103	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.12	102	6.00	1.38	
Total BTEX	<0.300	0.300	04/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	04/23/2025	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	04/22/2025	ND	210	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	221	110	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *96.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.2 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/21/2025	Sampling Date:	04/18/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 12 @ 8' (H252344-37)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	2.15	108	2.00	1.41	
Toluene*	<0.050	0.050	04/23/2025	ND	2.24	112	2.00	0.708	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.05	103	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.12	102	6.00	1.38	
Total BTEX	<0.300	0.300	04/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	04/23/2025	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	04/22/2025	ND	210	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	221	110	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *89.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.3 %* *40.6-153*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/21/2025	Sampling Date:	04/18/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 5 @ 0.5' (H252344-38)

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	04/23/2025	ND	2.15	108	2.00	1.41	
Toluene*	<0.050	0.050	04/23/2025	ND	2.24	112	2.00	0.708	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.05	103	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.12	102	6.00	1.38	
Total BTEX	<0.300	0.300	04/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/23/2025	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	04/22/2025	ND	210	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	221	110	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *86.7 %* *44.4-145*

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

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CARDINAL Laboratories

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:	04/21/2025	Sampling Date:	04/18/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 5 @ 3' (H252344-41)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	2.15	108	2.00	1.41	
Toluene*	<0.050	0.050	04/23/2025	ND	2.24	112	2.00	0.708	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.05	103	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.12	102	6.00	1.38	
Total BTEX	<0.300	0.300	04/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/23/2025	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	04/22/2025	ND	210	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	221	110	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *98.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.2 %* *40.6-153*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	04/21/2025	Sampling Date:	04/18/2025
Reported:	04/25/2025	Sampling Type:	Soil
Project Name:	8242_G-8 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: V - 5 @ 8' (H252344-44)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2025	ND	2.15	108	2.00	1.41	
Toluene*	<0.050	0.050	04/23/2025	ND	2.24	112	2.00	0.708	
Ethylbenzene*	<0.050	0.050	04/23/2025	ND	2.05	103	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/23/2025	ND	6.12	102	6.00	1.38	
Total BTEX	<0.300	0.300	04/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/23/2025	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	04/22/2025	ND	210	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	221	110	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane *99.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.6 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences		**BILL TO**	
Project Manager: Kyle Norman		**P.O. #:**	
Address: 2620 W. Marland Blvd.		**Company:** Tasman Geo	
City: Hobbs	**State:** NM **Zip:** 88240	**Attn:** Kyle Norman	
Phone #: 575-318-5017	**Fax #:**	**Address:** 2620 W. Marland	
Project #:	**Project Owner:** DCP Midstream	**City:** Hobbs	
Project Name: 8242_ G-8 Line Leak		**State:** NM **Zip:** 88240	
Project Location:		**Phone #:** 575-318-5017	
Sampler Name: Bianca Martinez		**Fax #:**	

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 Ext	BTEX	Chlorides	Hold	24-hr Rush
H252344																			
1	V-2 @ 0.5'		1			X					X		4/17/25	9:14				X	
2	V-2 @ 1'		1			X					X		4/17/25	9:21				X	
3	V-2 @ 2'		1			X					X		4/17/25	9:24	X	X	X		
4	V-2 @ 3'		1			X					X		4/17/25	9:28				X	
5	V-2 @ 4'		1			X					X		4/17/25	9:33	X	X	X		
6	V-2 @ 6'		1			X					X		4/17/25	9:41				X	
7	V-2 @ 8'		1			X					X		4/17/25	9:52	X	X	X		
8	V-11 @ 0.5'		1			X					X		4/17/25	10:05				X	
9	V-11 @ 1'		1			X					X		4/17/25	10:15				X	
10	V-11 @ 2'		1			X					X		4/17/25	10:28				X	

Relinquished By: Bianca Martinez	Date: 4/21/25 Time: 0824	Received By: Shodriguez	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -3.3: C+0.3: -3.0: #140	Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No	CHECKED BY: (Initials) BR	REMARKS: email results: NMData@tasman-geo.com; Albert.L.Hyman@p66.com, Stephen.Weathers@p66.com, Bmartinez@tasman-geo.com

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		BILL TO	
Company Name: Tasman Geosciences		**P.O. #:**	
Project Manager: Kyle Norman		**Company:** Tasman Geo	
Address: 2620 W. Marland Blvd.		**Attn:** Kyle Norman	
City: Hobbs	**State:** NM **Zip:** 88240	**Address:** 2620 W. Marland	
Phone #: 575-318-5017	**Fax #:**	**City:** Hobbs	
Project #:	**Project Owner:** DCP Midstream	**State:** NM **Zip:** 88240	
Project Name: 8242_ G-8 Line Leak		**Phone #:** 575-318-5017	
Project Location:		**Fax #:**	
Sampler Name: Bianca Martinez			

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 Ext	BTEX	Chlorides	Hold	24-hr Rush
H25234																			
11	V-11 @ 3'		1			X					X		4/17/25	10:38	X	X	X		
12	V-11 @ 4'		1			X					X		4/17/25	10:50	X	X	X		
13	V-8 @ 0.5'		1			X					X		4/17/25	11:03				X	
14	V-8 @ 1'		1			X					X		4/17/25	11:08	X	X	X		
15	V-8 @ 2'		1			X					X		4/17/25	11:13				X	
16	V-8 @ 3'		1			X					X		4/17/25	11:30	X	X	X		
17	V-6 @ 0.5'		1			X					X		4/17/25	11:39	X	X	X		
18	V-6 @ 1'		1			X					X		4/17/25	11:42				X	
19	V-6 @ 2'		1			X					X		4/17/25	11:44				X	
20	V-6 @ 3'		1			X					X		4/17/25	11:46				X	

Relinquished By:	Date: 4/21/25	Received By:	Phone Result: ☐ Yes ☐ No — Add'l Phone #:
	Time: 0824		Fax Result: ☐ Yes ☐ No — Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: email results: NMData@tasman-geo.com; Albert.L.Hyman@p66.com, Stephen.Weathers@p66.com, Bmartinez@tasman-geo.com
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -3.3: C+0.3: -3.0: #140	Sample Condition Cool Intact: ☐ Yes ☐ Yes ☐ No ☐ No	CHECKED BY: (Initials) SR	

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences		**BILL TO**	
Project Manager: Kyle Norman		**P.O. #:**	
Address: 2620 W. Marland Blvd.		**Company:** Tasman Geo	
City: Hobbs	**State:** NM **Zip:** 88240	**Attn:** Kyle Norman	
Phone #: 575-318-5017	**Fax #:**	**Address:** 2620 W. Marland	
Project #:	**Project Owner:** DCP Midstream	**City:** Hobbs	
Project Name: 8242_ G-8 Line Leak		**State:** NM **Zip:** 88240	
Project Location:		**Phone #:** 575-318-5017	
Sampler Name: Bianca Martinez		**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 Ext	BTEX	Chlorides	Hold	24-hr Rush
H25734																			
21	V-6 @ 4'		1			X					X		4/17/25	11:49	X	X	X		
22	V-6 @ 6'		1			X					X		4/17/25	12:42				X	
23	V-6 @ 8'		1			X					X		4/17/25	13:04	X	X	X		
24	V-4 @ 0.5'		1			X					X		4/17/25	13:11				X	
25	V-4 @ 1'		1			X					X		4/17/25	13:14	X	X	X		
26	V-4 @ 2'		1			X					X		4/17/25	13:16				X	
27	V-4 @ 3'		1			X					X		4/17/25	13:18				X	
28	V-4 @ 4'		1			X					X		4/17/25	13:20	X	X	X		
29	V-4 @ 6'		1			X					X		4/17/25	13:23				X	
30	V-4 @ 8'		1			X					X		4/17/25	13:26	X	X	X		

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Relinquished By:	Date: 4/21/25	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 0824		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: email results: NMData@tasman-geo.com; Albert.L.Hyman@p66.com, Bmartinez@tasman-geo.com
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: -3.3: C to 0.3: -3.0: #140

Sample Condition Cool Intact
☐ Yes ☐ Yes
☐ No ☐ No

CHECKED BY: (Initials) SR

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		BILL TO
Company Name: Tasman Geosciences		**P.O. #:**
Project Manager: Kyle Norman		**Company:** Tasman Geo
Address: 2620 W. Marland Blvd.		**Attn:** Kyle Norman
City: Hobbs	**State:** NM **Zip:** 88240	**Address:** 2620 W. Marland
Phone #: 575-318-5017	**Fax #:**	**City:** Hobbs
Project #:	**Project Owner:** DCP Midstream	**State:** NM **Zip:** 88240
Project Name: 8242_ G-8 Line Leak		**Phone #:** 575-318-5017
Project Location:		**Fax #:**
Sampler Name: Bianca Martinez		

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH 8015 Ext	BTEX	Chlorides	Hold	24-hr Rush						
H25?344																									
31	V-12 @ 0.5'		1			X					X		4/18/25	8:27				X							
32	V-12 @ 1'		1			X					X		4/18/25	8:30				X							
33	V-12 @ 2'		1			X					X		4/18/25	8:32				X							
34	V-12 @ 3'		1			X					X		4/18/25	8:37	X	X	X								
35	V-12 @ 4'		1			X					X		4/18/25	8:47				X							
36	V-12 @ 6'		1			X					X		4/18/25	8:59				X							
37	V-12 @ 8'		1			X					X		4/18/25	9:10	X	X	X								
38	V-5 @ 0.5'		1			X					X		4/18/25	9:19	X	X	X								
39	V-5 @ 1'		1			X					X		4/18/25	9:48				X							
40	V-5 @ 2'		1			X					X		4/18/25	9:50				X							

Relinquished By: Bianca Martinez	Date: 4/21/25	Received By: S Rodriguez	Phone Result: ☐ Yes ☑ No Add'l Phone #:
	Time: 0824		Fax Result: ☐ Yes ☑ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: email results: NMData@tasman-geo.com; Albert.L.Hyman@p66.com, Bmartinez@tasman-geo.com Stephen.Weathers@p66.com
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -3.3: C+0.3: -3.0: #140	Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No	CHECKED BY: (Initials) SR	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences		**BILL TO**	
Project Manager: Kyle Norman		**P.O. #:**	
Address: 2620 W. Marland Blvd.		**Company:** Tasman Geo	
City: Hobbs	**State:** NM **Zip:** 88240	**Attn:** Kyle Norman	
Phone #: 575-318-5017	**Fax #:**	**Address:** 2620 W. Marland	
Project #:	**Project Owner:** DCP Midstream	**City:** Hobbs	
Project Name: 8242_ G-8 Line Leak		**State:** NM **Zip:** 88240	
Project Location:		**Phone #:** 575-318-5017	
Sampler Name: Bianca Martinez		**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH 8015 Ext	BTEX	Chlorides	Hold	24-hr Rush								
H252344																										
41	V-5 @ 3'		1			X					X		4/18/25	9:57	X	X	X									
42	V-5 @ 4'		1			X					X		4/18/25	10:07				X								
43	V-5 @ 6'		1			X					X		4/18/25	10:20				X								
44	V-5 @ 8'		1			X					X		4/18/25	10:29	X	X	X									

Relinquished By: Bianca Martinez	Date: 4/24/25 Time: 0834	Received By: S Rodriguez	Phone Result: ☐ Yes ☑ No	Add'l Phone #:	
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☑ No	Add'l Fax #:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -3.3: C to 0.3: -3.0: #141	Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No	CHECKED BY: (Initials) SR	REMARKS: email results: NMData@tasman-geo.com; Albert.L.Hyman@p66.com, Stephen.Weathers@p66.com, Bmartinez@tasman-geo.com		

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

QUESTIONS

Action 498049

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 498049
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2427125865**
Incident Name	**NAPP2427125865 G-8 LINE LEAK @ M-02-17S-34E**
Incident Type	**Blow Out**
Incident Status	**Remediation Plan Received**

Location of Release Source *Please answer all the questions in this group.*	
Site Name	G-8 Line Leak
Date Release Discovered	09/25/2024
Surface Owner	State

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	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Blow Out | Pipeline (Any) | Condensate | Released: 27 BBL | Recovered: 0 BBL | Lost: 27 BBL.
Natural Gas Vented (Mcf) Details	Cause: Blow Out | Pipeline (Any) | Natural Gas Vented | Released: 53 MCF | Recovered: 0 MCF | Lost: 53 MCF.
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 498049
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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: Ray Smalts Title: Sr Environmental Eng/Spec Email: raymond.a.smalts@p66.com Date: 09/27/2024

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QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 498049
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (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 1000 (ft.) and ½ (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	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (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	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	2240
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	4662
GRO+DRO (EPA SW-846 Method 8015M)	4382
BTEX (EPA SW-846 Method 8021B or 8260B)	29.8
Benzene (EPA SW-846 Method 8021B or 8260B)	0.2
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	08/25/2025
On what date will (or did) the final sampling or liner inspection occur	09/30/2025
On what date will (or was) the remediation complete(d)	09/30/2025
What is the estimated surface area (in square feet) that will be reclaimed	8268
What is the estimated volume (in cubic yards) that will be reclaimed	1600
What is the estimated surface area (in square feet) that will be remediated	8268
What is the estimated volume (in cubic yards) that will be remediated	1600
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 498049
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	fEEM0112341194 SOUTH MONUMENT LANDFARM
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Stephen Weathers Title: Program Manager Email: Stephen.Weathers@p66.com Date: 08/21/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 498049
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS (continued)

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	Action Number: 498049
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**466849**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**05/27/2025**
What was the (estimated) number of samples that were to be gathered	**30**
What was the sampling surface area in square feet	**28000**

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

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 498049
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Due to the current undetermined depth to groundwater, soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	9/9/2025