

B LINE LEAK

Remediation Action Plan

NMOCD Incident No. nAPP2322146971
UL "P", Sec. 27, T17S, R35E
32.799148, -103.437051
Lea County, New Mexico

September 25, 2024



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



September 25, 2024

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
B Line Leak
UL "P", Section 27, Township 17 South, Range 35 East
Lea County, New Mexico
NMOCD Incident No. nAPP2322146971
Tasman Project No. 6209

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 produced water to the environment.

Tasman conducted initial assessment activities, identifying an approximately 7,700 square foot area that had been impacted by the release, with an overspray area of approximately 19,000. The release area was then vertically, and horizontally delineated. Based on laboratory analytical results from soil samples collected during assessment sampling activities, impacted soil within the release area has been or will be 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.

Brett Dennis
Senior Project Manager
bdennis@tasman-geo.com

Kyle Norman
SW Regional Manager
knorman@tasman-geo.com

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Appendix B – Depth to Groundwater Information

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1.0 INTRODUCTION

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

1.1 Site Description

The site is located in Unit Letter “P” of Section 27, Township 17 South, Range 35 East in Lea County, New Mexico. The release occurred from the B produced water pipeline. The release occurred on New Mexico State Land Office (NMSLO) property.

1.2 Release Detail and Initial Response

On August 7, 2023, the B pipeline was discovered by DCP personnel to have failed due to corrosion. On August 9, 2023, DCP provided notice of release to the NMOCD portal and to the NMSLO by email on September 6, 2023. The release resulted in the loss of approximately 18 barrels (bbls) of produced water to the surrounding environmental media, with approximately 4 bbls recovered. DCP personnel shut in the pipeline to isolate the release. The line was later repaired and returned to service.

A copy of the NMOCD and NMSLO 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 well with available groundwater level data within the NMOCD preferred parameters is located 0.05 miles northwest of the site, identified as POD 04859. Depth to groundwater was measured at 85 feet below ground surface (ft bgs) in 1962. Additionally, a secondary, recently gauged well is USGS 3247451032510501, located approximately 0.57 miles from the site. Depth to groundwater was measured at 58 ft bgs in 2024.

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 not located in an area of high potential to encounter karstic features.

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

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

2.3 Distance to Nearest Potable Water Well

The nearest potable water well is assumed to be POD 04859, located 0.05 miles from the site. Tasman did not visually confirm the presence of the well. The location of POD 04859 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, freshwater pond, is located approximately 0.22 miles from the site. The nearest significant surface water was identified as Red Lake, located 10.9 miles from the site. The location of the nearest surface water body can be seen on Figures 1 and 3.

2.5 100-year Floodplain

Review of flood map data published by the Federal Emergency Management Agency (FEMA) indicates the site is not located within a 100-year floodplain. A copy of the FEMA FIRMet 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 Archaeological Survey/Review

On September 6, 2023, a third party conducted a review of the New Mexico Cultural Resource Information System (NMCRIIS) as Activity Number 153823 and performed field investigation on September 12, 2023. Neither desktop or field investigation showed evidence of cultural resources at the site. A copy of the NMCRIIS Investigation Abstract Form can be provided upon request.

2.8 Proximity to Sensitive Receptors and Site Characteristics Summary

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

Site Characteristics Summary		
Approximate depth to groundwater:	85 ft bgs	
Within an area of high karst potential?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of any continuously flowing of significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 200 ft. of any lakebed, sinkhole, or playa lake?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 500 ft. of a spring or private, domestic fresh water well?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 1,000 ft. of any fresh water well?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within the incorporated municipal boundaries or within a municipal well field?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within an unstable area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

3.0 REMEDIATION ACTION LEVELS

NMOCD assessment and cleanup levels for hydrocarbon and produced water releases are based on depth to groundwater and proximity to sensitive receptors as established in NMAC 19.15.29. Depth to groundwater was not able to be determined with information within a half-mile radius of the site or within 25 years. Therefore, NMCOD Actions Levels for a site with depth to groundwater of less than 50 feet bgs will be utilized; these Action Levels are as follows:

Constituent	Remediation Action Level
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
TPH (GRO+DRO)	N/A
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 August 8, 2023, Tasman was retained by DCP to respond to a release of produced water at the site. Initial observations indicated a release area of approximately 7,700 square feet (ft²), with an overspray area of approximately 19,000 ft². A photographic log of the release area is included as Appendix C. Six soil borings (HA-1 through HA-6) were advanced by hand auger. The collected samples were field screened using a photoionization detector for the presence of volatile organic compounds and field titration kit for chlorides. See Table 1 for the field screening results.

On February 5, 2024, Tasman advanced eight delineation trenches using machinal equipment, referred to as verticals (V-1 through V-8), to delineate the release area. Verticals were advanced to depths ranging from 2 ft bgs to 4 ft bgs. Verticals were not advanced further due to restrictive materials and equipment limitations.

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 and total BTEX were not detected above Remediation Levels throughout all collected soil samples.

Concentrations of total TPH were detected above Remediation Levels in the various soil samples (V-1, V-2, V-4 through V-7) and at various depths, ranging from 111 milligrams per kilogram (mg/kg) in the soil sample collected at 3 feet bgs at vertical V-6 to 875 mg/kg in the soil sample collected at 2 feet bgs at vertical V-4.

Concentrations of chlorides were detected greater than Remediation Levels in V-2 at 1 ft bgs (1,280 mg/kg). The remaining soil samples were not greater than Remediation Levels throughout.

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-1, V-2, V-4, V-6, and V-7. Full delineation of impacts from the release was not achieved. Full delineation of chemicals of concern will be achieved with confirmation samples collected from the remedial excavation.

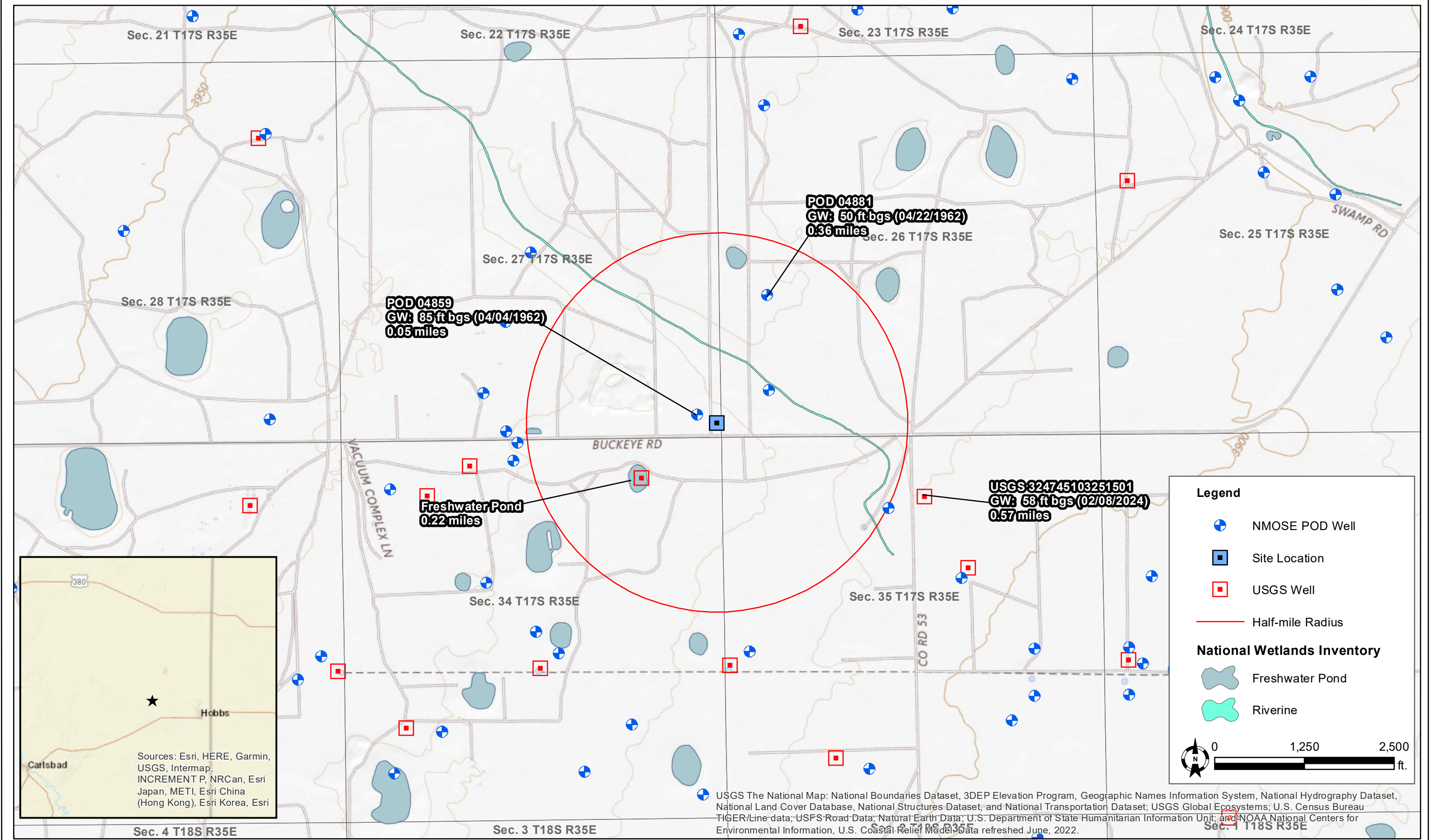
Once field data indicates that the release area has been remediated to NMOCD Remediation Levels established in Section 3.0, Tasman will collect five-point composite confirmation samples from the base and sidewalls of the excavation. The collected confirmation soil samples will represent an area no greater than 400 ft². 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

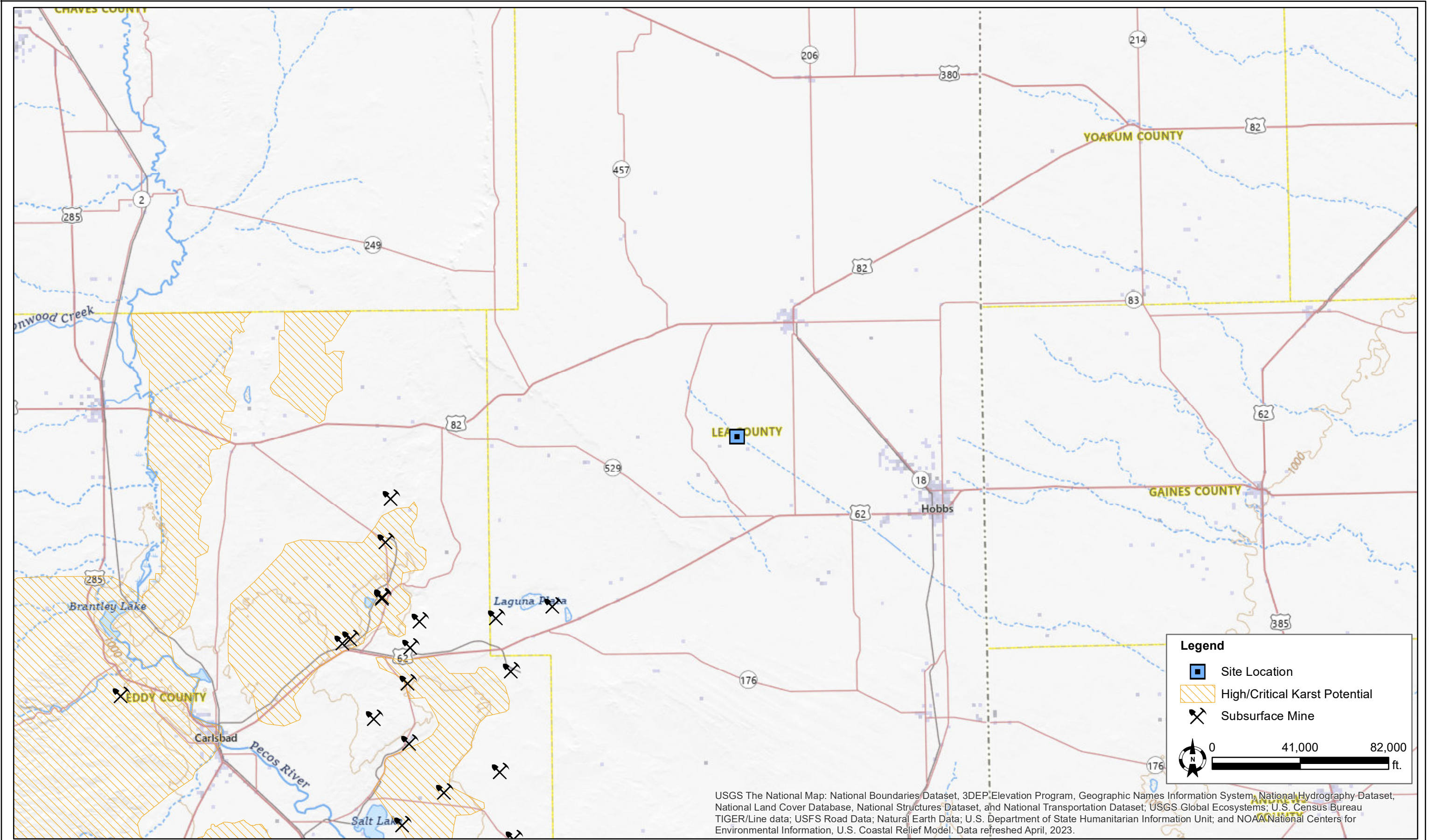


Tasman, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

DCP Operating Company, LP
B Line Leak - nAPP2322146971
UL "P" Sec. 27, T17S, R35E
Lea County, New Mexico

Site Location & Characteristics
Map

Figure
1



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

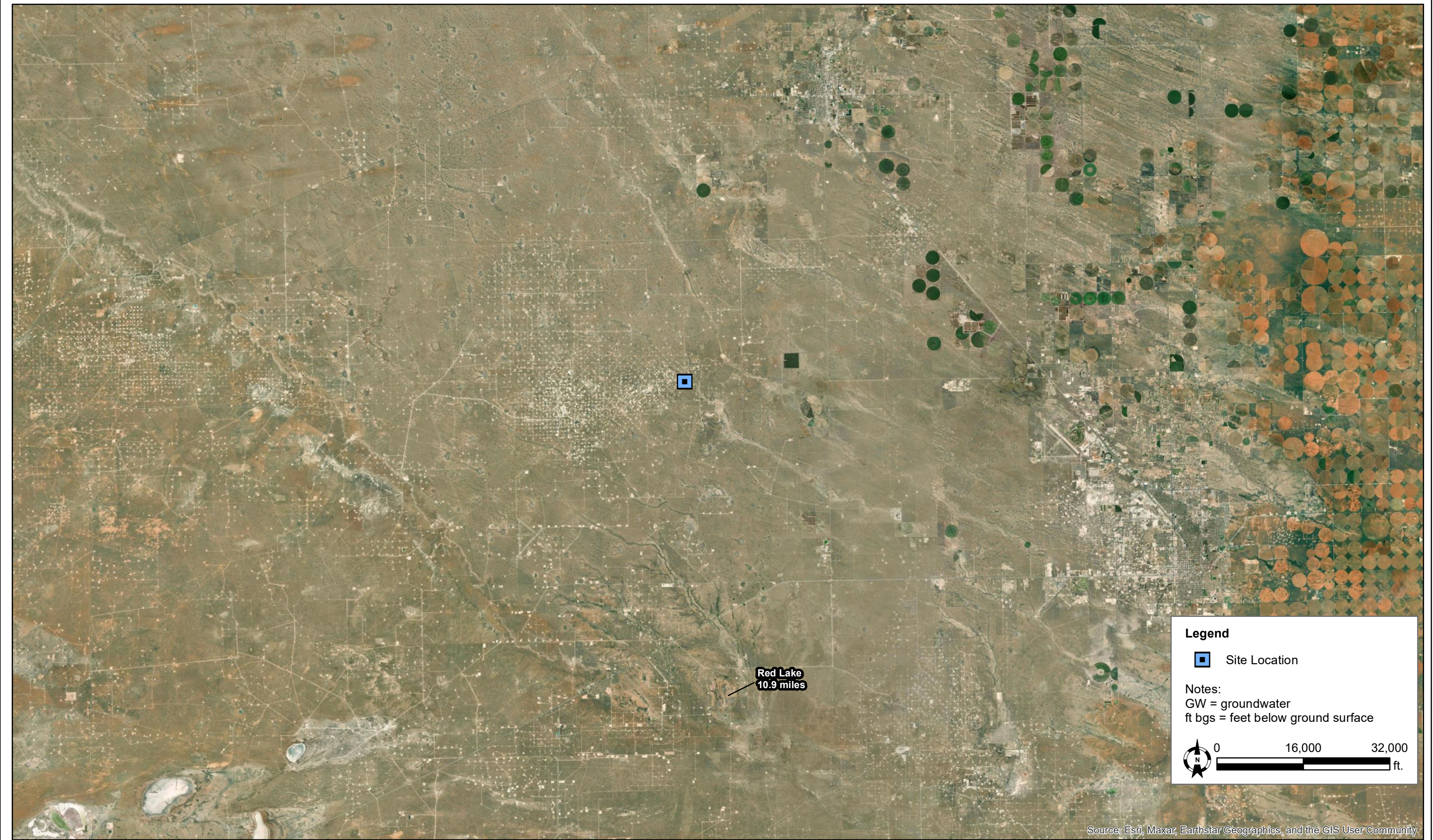


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DCP Operating Company, LP
B Line Leak - nAPP2322146971
UL "O", Sec. 32, T18S, R30E
Eddy County, New Mexico

Karst Potential & Subsurface
Mine Map

Figure
2



DATE:	September 2024
DESIGNED BY:	L. Flores
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DCP Operating Company, LP
B Line Leak - nAPP2322146971
UL "O", Sec. 32, T18S, R30E
Eddy County, New Mexico

Surface Water Map

Figure
3

National Flood Hazard Layer FIRMette



103°26'32"W 32°48'12"N



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

1:6,000

103°25'55"W 32°47'42"N

Released to Imaging: 10/16/2024 10:22:34 AM

Basemap Imagery Source: USGS National Map 2023

Legend

Figure 4

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

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

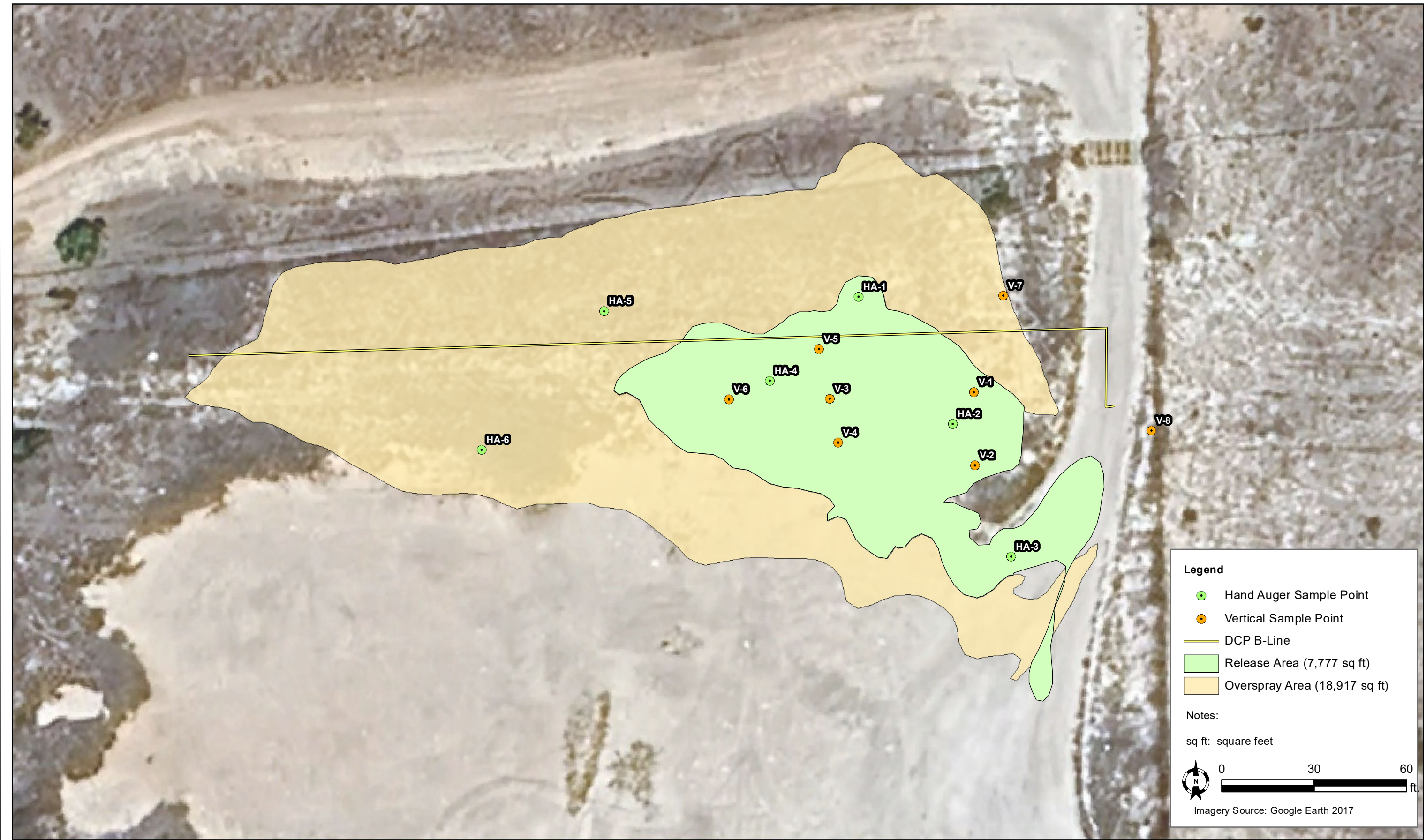


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/20/2024 at 12:56 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:	September 2024
DESIGNED BY:	C. Flores, K. Stark
DRAWN BY:	L. Flores



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DCP Operating Company, LP
B Line Leak - nAPP2322146971
UL "O", Sec. 32, T18S, R30E
Eddy County, New Mexico

Delineation Overview Map

Figure 5

Table

TABLE 1 - SOIL ANALYTICAL SUMMARY - DELINEATION SOIL SAMPLES

DCP Operating Company, LP

B-Line Leak

NMOCD Incident No. nAPP2322146971

Sample ID	Sample Depth (ft 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	
Site Assessment Soil Samples												
HA-1	0 - 0.5'	8/8/2023	In-Situ	556.4	847	---	---	---	---	---	---	---
HA-2	0 - 0.5'	8/8/2023	In-Situ	384.1	738	---	---	---	---	---	---	---
	1'	8/8/2023	In-Situ	284.1	471	---	---	---	---	---	---	---
HA-3	0 - 0.5'	8/8/2023	In-Situ	124.1	679	---	---	---	---	---	---	---
HA-4	0 - 0.5'	8/8/2023	In-Situ	393.3	566	---	---	---	---	---	---	---
HA-5	0 - 0.5'	8/8/2023	In-Situ	38.6	164	---	---	---	---	---	---	---
HA-6	0 - 0.5'	8/8/2023	In-Situ	82.6	266	---	---	---	---	---	---	---
Delineation Soil Samples												
V-1	1'	2/5/2024	In-Situ	0.3	304	<0.050	<0.300	<10.0	38.9	33.9	72.8	224
	2'		In-Situ	0.3	153	<0.050	<0.300	<10.0	114	166	280	80.0
V-2	1'	2/5/2024	In-Situ	0	807	<0.050	<0.300	<10.0	43.3	26.6	69.9	1,280
	2'		In-Situ	7.4	305	<0.050	<0.300	<10.0	45.2	12.4	57.6	240
V-3	1'	2/5/2024	In-Situ	0	302	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	192
	2'		In-Situ	0.2	308	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	368
V-4	1'	2/5/2024	In-Situ	0.0	147	---	---	---	---	---	---	---
	2'		In-Situ	0	298	<0.050	<0.300	<10.0	557	318	875	448
	3'		In-Situ	0	297	---	---	---	---	---	---	---
	4'		In-Situ	0	299	<0.050	<0.300	<10.0	508	365	873	320
V-5	1'	2/5/2024	In-Situ	0.2	298	<0.050	<0.300	<10.0	23.0	<10.0	23	272
	2'		In-Situ	0	147	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	144
V-6	1'	2/5/2024	In-Situ	0.2	209	<0.050	<0.300	<10.0	90.5	102	193	224
	2'		In-Situ	0	147	---	---	---	---	---	---	---
	3'		In-Situ	0	52	<0.050	<0.300	<10.0	49.6	61.0	111	176
V-7	1'	2/5/2024	In-Situ	0	150	<0.050	<0.300	<10.0	199	210	409	16.0
	1.5'		In-Situ	0	147	<0.050	<0.300	<10.0	116	133	249	48.0
V-8	1'	2/5/2024	In-Situ	0	148	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	240
	2'		In-Situ	0.0	293	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	304
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 Remediation and Delineation Standards ⁵ (Applicable for soils greater than 4 ft. below grade surface)				N/A	N/A	10	50	N/A			100	600

Notes:

- BTEX = Benzene, toluene, ethylbenzene, and total xylenes by EPA method 8021B
 - TPH = Total petroleum hydrocarbons analyzed by method EPA 8015M (GRO/DRO/MRO)
 - Chloride - Analyzed by EPA method SM4500
 - 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).
 - New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (NMAC 19.15.29.12(N))
- Bold** values denote concentrations above laboratory RDL
Red values denote concentrations above NMOCD Action Levels

BGS = Below ground surface
 GRO = Gasoline range organics
 DRO = Diesel range organics
 MRO = Motor/lube oil range organics
 PID = Photoionization detector
 --- = Sample was not analyzed for this analyte
 <RDL = The analyte was not detected above the laboratory reported detection limit (RDL)
 N/A = Not applicable

Appendix A – Initial Form C-141

OCD Permitting

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

[NOTIFY] Notification Of Release (NOR) Application

Submission Information

Submission ID:	250144	Districts:	Hobbs
Operator:	[36785] DCP OPERATING COMPANY, LP	Counties:	Lea
Description:	DCP OPERATING COMPANY, LP [36785] , B LINE LEAK , nAPP2322146971		
Status:	APPROVED		
Status Date:	08/09/2023		
References (1):	nAPP2322146971		

Forms

This application type does not have attachments.

Questions

Location of Release Source

Please answer all the questions in this group.

Site Name	B Line Leak
Date Release Discovered	08/07/2023
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	Not answered.
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Blow Out Pipeline (Any) Produced Water Released: 18 BBL Recovered: 4 BBL Lost: 14 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.

Nature and Volume of Release (continued)

Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a “gas only” report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

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

Initial Response

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

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

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

Acknowledgments

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

Comments

No comments found for this submission.

Conditions

Summary: knorman (8/9/2023), When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.

Reasons

No reasons found for this submission.

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

District I
1625 N. French Dr., Hobbs, M 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2322146971
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party DCP Operating Company, LP	OGRID 36785
Contact Name Raymond Smalts	Contact Telephone 575-234-6405
Contact email Raymond.A.Smalts@p66.com	Incident # (assigned by OCD): nAPP2322146971
Contact mailing address 5301 Sierra Vista Drive	Carlsbad, NM 88220

Location of Release Source

Latitude 32.799148 Longitude -103.437051
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: B Line Leak	Site Type Blow Out
Date Release Discovered: 8/7/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
P	27	17S	35E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: NMSLO)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): 18 bbls	Volume Recovered (bbls): 4 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

On August 7, 2023, DCP Ops discovered a leak on the B Steel pipeline due to internal corrosion. DCP Ops has shut in the pipeline and scheduled to be repaired.

Page 2

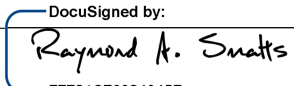
Oil Conservation Division

Incident ID	nAPP2322146971
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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.	
Printed Name: Raymond Smalts	DocuSigned by:  F7721676324045F...
Signature: _____	Title: Sr. Environmental Engineer 8/18/2023
email: Raymond.A.Smalts@p66.com	Date: _____ Telephone: 575-234-6405
<u>OCD Only</u>	
Received by: Shelly Wells	Date: 8/18/2023

From: [Kyle Norman](#)
To: eco@slo.state.nm.us
Cc: kelly.r.michael@p66.com; [Smalts, Raymond A](#); [Case, Nicholas L](#); [Daly, Stacey](#); [Brett Dennis](#); [Laura Flores](#)
Subject: Leak Notification 6209_B Line Leak #124-23_nAPP2322146971
Date: Wednesday, September 6, 2023 1:14:44 PM
Attachments: [Initial C-141_B Line Leak_nAPP2322146971 \(Signed\).pdf](#)
[image001.png](#)

Good afternoon,

Please find attached the Initial C-141 for the 6209_B Line Leak Incident # nAPP2322146971.

Please let me know if you have any questions.

Thank you

Kyle Norman
Regional Project Manager

Tasman, Inc.
2620 W. Marland Blvd.
Hobbs, NM 88240
C: 575-318-5017
knorman@tasman-geo.com
www.tasman-geo.com



Appendix B – Depth to Groundwater Information

Form WR-23

STATE ENGINEER OFFICE

STATE V No. 3

SANTA FE

WELL RECORD

500339

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

(A) Owner of well NOBLE DRILLING COMPANYStreet and Number P.O. Box 550City MIDLAND State TEXASWell was drilled under Permit No. L-4859 and is located in the
SE 1/4 SE 1/4 SE 1/4 of Section 27 Twp. 17 S Rge. 35 E(B) Drilling Contractor ABBOTT BROTHERS License No. WD-46Street and Number P.O. Box 637City HOBBS, State New MexicoDrilling was commenced April 4 19 62Drilling was completed April 4 19 62

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 145State whether well is shallow or artesian shallow Depth to water upon completion 85

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	85	145	60	water sand
2				
3				
4				
5				

1962 APR 11 AM 8:30
STATE ENGINEER OFFICE
SANTA FE, N.M.

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
7	20	10	0	145	145	open	85	145

Section 4

RECORD OF MUDDING AND CEMENTING

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

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: _____

Cement Plugs were placed as follows:

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

Basin Supervisor _____

FOR USE OF STATE ENGINEER ONLY

Date Received _____

1962 APR -9 AM 8:47

File No. L-4859 Use O.W.D. Location No. 17 35 27 444

LOG OF WELL

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.

Wm. H. Abbott
Well Driller

Form WR-23

STATE ENGINEER OFFICE

STATE V No. 3

SANTA FE

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

(A) Owner of well NOBLE DRILLING COMPANYStreet and Number P.O. Box 550City MIDLAND State TEXASWell was drilled under Permit No. L-4859 and is located in theSE 1/4 SE 1/4 SE 1/4 of Section 27 Twp. 17 S Rge. 35 E

(B) Drilling Contractor _____ License No. _____

Street and Number _____

City _____ State _____

Drilling was commenced _____ 19 _____

Drilling was completed _____ 19 _____

(Plat of 640 acres)

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		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1				
2				
3				
4				
5				

Section 3

RECORD OF CASING

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

Section 4

RECORD OF MUDDING AND CEMENTING

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

Section 5

PLUGGING RECORD

Name of Plugging Contractor ABBOTT BROTHERS License No. WD-46Street and Number P.O. Box 637 City Hobbs State New Mexico

Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____

Plugging method used Net conc. plug over rubble fill Date Plugged April 2 19 63Plugging approved by: James A. Wright

Cement Plugs were placed as follows:

FOR USE OF STATE ENGINEER ONLY

Date Received 85 JUN 27 AM 11:58

File No. L-4859 Use S.W.O. Location No. 17.25.27

No.	Depth of Plug		No. of Sacks Used
	From	To	
1	2	5	3

LOG OF WELL

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



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

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 =

- 324745103251501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 324745103251501 17S.35E.35.213132

Lea County, New Mexico
Latitude 32°47'46.3", Longitude 103°25'39.7" NAD83
Land-surface elevation 3,908 feet above NAVD88
The depth of the well is 121 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

9/20/24, 1:39 PM

USGS Groundwater for USA: Water Levels -- 1 sites

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
1940-09-26			D	62610	3865.16	NGVD29	1	Z			A
1940-09-26			D	62611	3866.61	NAVD88	1	Z			A
1940-09-26			D	72019	41.39		1	Z			A
1941-01-26			D	62610	3865.10	NGVD29	1	Z			A
1941-01-26			D	62611	3866.55	NAVD88	1	Z			A
1941-01-26			D	72019	41.45		1	Z			A
1941-03-30			D	62610	3865.12	NGVD29	1	Z			A
1941-03-30			D	62611	3866.57	NAVD88	1	Z			A
1941-03-30			D	72019	41.43		1	Z			A
1941-05-22			D	62610	3865.12	NGVD29	1	Z			A
1941-05-22			D	62611	3866.57	NAVD88	1	Z			A
1941-05-22			D	72019	41.43		1	Z			A
1941-11-28			D	62610	3867.02	NGVD29	1	Z			A
1941-11-28			D	62611	3868.47	NAVD88	1	Z			A
1941-11-28			D	72019	39.53		1	Z			A
1942-02-05			D	62610	3867.28	NGVD29	1	Z			A
1942-02-05			D	62611	3868.73	NAVD88	1	Z			A
1942-02-05			D	72019	39.27		1	Z			A
1942-03-30			D	62610	3867.36	NGVD29	1	Z			A
1942-03-30			D	62611	3868.81	NAVD88	1	Z			A
1942-03-30			D	72019	39.19		1	Z			A
1942-07-28			D	62610	3867.42	NGVD29	1	Z			A
1942-07-28			D	62611	3868.87	NAVD88	1	Z			A
1942-07-28			D	72019	39.13		1	Z			A
1942-09-27			D	62610	3867.51	NGVD29	1	Z			A
1942-09-27			D	62611	3868.96	NAVD88	1	Z			A
1942-09-27			D	72019	39.04		1	Z			A
1942-10-23			D	62610	3867.56	NGVD29	1	Z			A
1942-10-23			D	62611	3869.01	NAVD88	1	Z			A
1942-10-23			D	72019	38.99		1	Z			A
1942-11-26			D	62610	3867.57	NGVD29	1	Z			A

9/20/24, 1:39 PM

USGS Groundwater for USA: Water Levels -- 1 sites

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
1942-11-26			D		3869.02	NAVD88	1		Z		A
1942-11-26			D	38.98			1		Z		A
1943-01-22			D		3867.62	NGVD29	1		Z		A
1943-01-22			D		3869.07	NAVD88	1		Z		A
1943-01-22			D	38.93			1		Z		A
1943-03-30			D		3867.63	NGVD29	1		Z		A
1943-03-30			D		3869.08	NAVD88	1		Z		A
1943-03-30			D	38.92			1		Z		A
1943-05-26			D		3867.63	NGVD29	1		Z		A
1943-05-26			D		3869.08	NAVD88	1		Z		A
1943-05-26			D	38.92			1		Z		A
1943-07-28			D		3867.63	NGVD29	1		Z		A
1943-07-28			D		3869.08	NAVD88	1		Z		A
1943-07-28			D	38.92			1		Z		A
1943-09-29			D		3867.68	NGVD29	1		Z		A
1943-09-29			D		3869.13	NAVD88	1		Z		A
1943-09-29			D	38.87			1		Z		A
1943-11-30			D		3867.71	NGVD29	1		Z		A
1943-11-30			D		3869.16	NAVD88	1		Z		A
1943-11-30			D	38.84			1		Z		A
1944-01-16			D		3867.70	NGVD29	1		Z		A
1944-01-16			D		3869.15	NAVD88	1		Z		A
1944-01-16			D	38.85			1		Z		A
1944-03-24			D		3867.72	NGVD29	1		Z		A
1944-03-24			D		3869.17	NAVD88	1		Z		A
1944-03-24			D	38.83			1		Z		A
1944-05-15			D		3867.70	NGVD29	1		Z		A
1944-05-15			D		3869.15	NAVD88	1		Z		A
1944-05-15			D	38.85			1		Z		A
1944-07-26			D		3867.68	NGVD29	1		Z		A
1944-07-26			D		3869.13	NAVD88	1		Z		A

9/20/24, 1:39 PM

USGS Groundwater for USA: Water Levels -- 1 sites

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
1944-07-26			D	72019	38.87			1	Z		A
1944-09-21			D	62610		3867.63	NGVD29	1	Z		A
1944-09-21			D	62611		3869.08	NAVD88	1	Z		A
1944-09-21			D	72019	38.92			1	Z		A
1944-11-28			D	62610		3867.60	NGVD29	1	Z		A
1944-11-28			D	62611		3869.05	NAVD88	1	Z		A
1944-11-28			D	72019	38.95			1	Z		A
1945-01-12			D	62610		3867.63	NGVD29	1	Z		A
1945-01-12			D	62611		3869.08	NAVD88	1	Z		A
1945-01-12			D	72019	38.92			1	Z		A
1945-03-31			D	62610		3867.59	NGVD29	1	Z		A
1945-03-31			D	62611		3869.04	NAVD88	1	Z		A
1945-03-31			D	72019	38.96			1	Z		A
1945-05-26			D	62610		3867.57	NGVD29	1	Z		A
1945-05-26			D	62611		3869.02	NAVD88	1	Z		A
1945-05-26			D	72019	38.98			1	Z		A
1945-07-27			D	62610		3867.52	NGVD29	1	Z		A
1945-07-27			D	62611		3868.97	NAVD88	1	Z		A
1945-07-27			D	72019	39.03			1	Z		A
1945-09-22			D	62610		3867.50	NGVD29	1	Z		A
1945-09-22			D	62611		3868.95	NAVD88	1	Z		A
1945-09-22			D	72019	39.05			1	Z		A
1945-11-21			D	62610		3867.45	NGVD29	1	Z		A
1945-11-21			D	62611		3868.90	NAVD88	1	Z		A
1945-11-21			D	72019	39.10			1	Z		A
1946-01-31			D	62610		3867.43	NGVD29	1	Z		A
1946-01-31			D	62611		3868.88	NAVD88	1	Z		A
1946-01-31			D	72019	39.12			1	Z		A
1946-03-23			D	62610		3867.38	NGVD29	1	Z		A
1946-03-23			D	62611		3868.83	NAVD88	1	Z		A
1946-03-23			D	72019	39.17			1	Z		A

9/20/24, 1:39 PM

USGS Groundwater for USA: Water Levels -- 1 sites

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
1946-05-25			D	62610	3867.38	NGVD29	1	Z			A
1946-05-25			D	62611	3868.83	NAVD88	1	Z			A
1946-05-25			D	72019	39.17		1	Z			A
1946-07-22			D	62610	3867.37	NGVD29	1	Z			A
1946-07-22			D	62611	3868.82	NAVD88	1	Z			A
1946-07-22			D	72019	39.18		1	Z			A
1946-09-26			D	62610	3867.35	NGVD29	1	Z			A
1946-09-26			D	62611	3868.80	NAVD88	1	Z			A
1946-09-26			D	72019	39.20		1	Z			A
1946-11-25			D	62610	3867.91	NGVD29	1	Z			A
1946-11-25			D	62611	3869.36	NAVD88	1	Z			A
1946-11-25			D	72019	38.64		1	Z			A
1947-01-17			D	62610	3867.91	NGVD29	1	Z			A
1947-01-17			D	62611	3869.36	NAVD88	1	Z			A
1947-01-17			D	72019	38.64		1	Z			A
1947-03-26			D	62610	3867.90	NGVD29	1	Z			A
1947-03-26			D	62611	3869.35	NAVD88	1	Z			A
1947-03-26			D	72019	38.65		1	Z			A
1947-05-23			D	62610	3867.85	NGVD29	1	Z			A
1947-05-23			D	62611	3869.30	NAVD88	1	Z			A
1947-05-23			D	72019	38.70		1	Z			A
1947-07-27			D	62610	3867.85	NGVD29	1	Z			A
1947-07-27			D	62611	3869.30	NAVD88	1	Z			A
1947-07-27			D	72019	38.70		1	Z			A
1947-09-12			D	62610	3867.85	NGVD29	1	Z			A
1947-09-12			D	62611	3869.30	NAVD88	1	Z			A
1947-09-12			D	72019	38.70		1	Z			A
1947-11-17			D	62610	3867.83	NGVD29	1	Z			A
1947-11-17			D	62611	3869.28	NAVD88	1	Z			A
1947-11-17			D	72019	38.72		1	Z			A
1948-01-16			D	62610	3867.95	NGVD29	1	Z			A

9/20/24, 1:39 PM

USGS Groundwater for USA: Water Levels -- 1 sites

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
1948-01-16			D	62611	3869.40	NAVD88	1	Z			A
1948-01-16			D	72019	38.60		1	Z			A
1948-03-26			D	62610	3867.77	NGVD29	1	Z			A
1948-03-26			D	62611	3869.22	NAVD88	1	Z			A
1948-03-26			D	72019	38.78		1	Z			A
1948-05-24			D	62610	3867.74	NGVD29	1	Z			A
1948-05-24			D	62611	3869.19	NAVD88	1	Z			A
1948-05-24			D	72019	38.81		1	Z			A
1948-07-24			D	62610	3867.70	NGVD29	1	Z			A
1948-07-24			D	62611	3869.15	NAVD88	1	Z			A
1948-07-24			D	72019	38.85		1	Z			A
1948-09-25			D	62610	3867.65	NGVD29	1	Z			A
1948-09-25			D	62611	3869.10	NAVD88	1	Z			A
1948-09-25			D	72019	38.90		1	Z			A
1948-11-17			D	62610	3867.64	NGVD29	1	Z			A
1948-11-17			D	62611	3869.09	NAVD88	1	Z			A
1948-11-17			D	72019	38.91		1	Z			A
1949-01-22			D	62610	3867.62	NGVD29	1	Z			A
1949-01-22			D	62611	3869.07	NAVD88	1	Z			A
1949-01-22			D	72019	38.93		1	Z			A
1949-03-22			D	62610	3867.63	NGVD29	1	Z			A
1949-03-22			D	62611	3869.08	NAVD88	1	Z			A
1949-03-22			D	72019	38.92		1	Z			A
1949-05-23			D	62610	3867.54	NGVD29	1	Z			A
1949-05-23			D	62611	3868.99	NAVD88	1	Z			A
1949-05-23			D	72019	39.01		1	Z			A
1949-07-27			D	62610	3867.52	NGVD29	1	Z			A
1949-07-27			D	62611	3868.97	NAVD88	1	Z			A
1949-07-27			D	72019	39.03		1	Z			A
1949-09-23			D	62610	3867.45	NGVD29	1	Z			A
1949-09-23			D	62611	3868.90	NAVD88	1	Z			A

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1949-09-23			D	72019	39.10			1	Z		A
1949-11-17			D	62610	3867.44	NGVD29		1	Z		A
1949-11-17			D	62611	3868.89	NAVD88		1	Z		A
1949-11-17			D	72019	39.11			1	Z		A
1950-01-18			D	62610	3867.45	NGVD29		1	Z		A
1950-01-18			D	62611	3868.90	NAVD88		1	Z		A
1950-01-18			D	72019	39.10			1	Z		A
1950-03-24			D	62610	3867.45	NGVD29		1	Z		A
1950-03-24			D	62611	3868.90	NAVD88		1	Z		A
1950-03-24			D	72019	39.10			1	Z		A
1950-05-17			D	62610	3867.41	NGVD29		1	Z		A
1950-05-17			D	62611	3868.86	NAVD88		1	Z		A
1950-05-17			D	72019	39.14			1	Z		A
1950-07-21			D	62610	3867.35	NGVD29		1	Z		A
1950-07-21			D	62611	3868.80	NAVD88		1	Z		A
1950-07-21			D	72019	39.20			1	Z		A
1950-09-21			D	62610	3867.33	NGVD29		1	Z		A
1950-09-21			D	62611	3868.78	NAVD88		1	Z		A
1950-09-21			D	72019	39.22			1	Z		A
1950-11-18			D	62610	3867.41	NGVD29		1	Z		A
1950-11-18			D	62611	3868.86	NAVD88		1	Z		A
1950-11-18			D	72019	39.14			1	Z		A
1951-01-21			D	62610	3867.42	NGVD29		1	Z		A
1951-01-21			D	62611	3868.87	NAVD88		1	Z		A
1951-01-21			D	72019	39.13			1	Z		A
1951-03-24			D	62610	3867.40	NGVD29		1	Z		A
1951-03-24			D	62611	3868.85	NAVD88		1	Z		A
1951-03-24			D	72019	39.15			1	Z		A
1951-05-22			D	62610	3867.37	NGVD29		1	Z		A
1951-05-22			D	62611	3868.82	NAVD88		1	Z		A
1951-05-22			D	72019	39.18			1	Z		A

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1951-07-25			D	62610	3867.35	NGVD29	1	Z			A
1951-07-25			D	62611	3868.80	NAVD88	1	Z			A
1951-07-25			D	72019	39.20		1	Z			A
1951-09-21			D	62610	3867.32	NGVD29	1	Z			A
1951-09-21			D	62611	3868.77	NAVD88	1	Z			A
1951-09-21			D	72019	39.23		1	Z			A
1951-11-21			D	62610	3867.28	NGVD29	1	Z			A
1951-11-21			D	62611	3868.73	NAVD88	1	Z			A
1951-11-21			D	72019	39.27		1	Z			A
1952-01-04			D	62610	3867.29	NGVD29	1	Z			A
1952-01-04			D	62611	3868.74	NAVD88	1	Z			A
1952-01-04			D	72019	39.26		1	Z			A
1952-03-22			D	62610	3867.25	NGVD29	1	Z			A
1952-03-22			D	62611	3868.70	NAVD88	1	Z			A
1952-03-22			D	72019	39.30		1	Z			A
1952-05-24			D	62610	3867.18	NGVD29	1	Z			A
1952-05-24			D	62611	3868.63	NAVD88	1	Z			A
1952-05-24			D	72019	39.37		1	Z			A
1952-07-22			D	62610	3867.17	NGVD29	1	Z			A
1952-07-22			D	62611	3868.62	NAVD88	1	Z			A
1952-07-22			D	72019	39.38		1	Z			A
1952-09-18			D	62610	3867.12	NGVD29	1	Z			A
1952-09-18			D	62611	3868.57	NAVD88	1	Z			A
1952-09-18			D	72019	39.43		1	Z			A
1952-11-19			D	62610	3867.08	NGVD29	1	Z			A
1952-11-19			D	62611	3868.53	NAVD88	1	Z			A
1952-11-19			D	72019	39.47		1	Z			A
1953-01-07			D	62610	3867.07	NGVD29	1	Z			A
1953-01-07			D	62611	3868.52	NAVD88	1	Z			A
1953-01-07			D	72019	39.48		1	Z			A
1953-03-24			D	62610	3867.02	NGVD29	1	Z			A

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1953-03-24			D		3868.47	NAVD88	1		Z		A
1953-03-24			D	39.53			1		Z		A
1953-05-23			D		3866.99	NGVD29	1		Z		A
1953-05-23			D		3868.44	NAVD88	1		Z		A
1953-05-23			D	39.56			1		Z		A
1953-07-22			D		3866.97	NGVD29	1		Z		A
1953-07-22			D		3868.42	NAVD88	1		Z		A
1953-07-22			D	39.58			1		Z		A
1953-09-03			D		3866.93	NGVD29	1		Z		A
1953-09-03			D		3868.38	NAVD88	1		Z		A
1953-09-03			D	39.62			1		Z		A
1953-11-20			D		3866.94	NGVD29	1		Z		A
1953-11-20			D		3868.39	NAVD88	1		Z		A
1953-11-20			D	39.61			1		Z		A
1954-01-11			D		3866.92	NGVD29	1		Z		A
1954-01-11			D		3868.37	NAVD88	1		Z		A
1954-01-11			D	39.63			1		Z		A
1954-03-02			D		3866.90	NGVD29	1		Z		A
1954-03-02			D		3868.35	NAVD88	1		Z		A
1954-03-02			D	39.65			1		Z		A
1954-05-11			D		3866.89	NGVD29	1		Z		A
1954-05-11			D		3868.34	NAVD88	1		Z		A
1954-05-11			D	39.66			1		Z		A
1954-07-13			D		3866.87	NGVD29	1		Z		A
1954-07-13			D		3868.32	NAVD88	1		Z		A
1954-07-13			D	39.68			1		Z		A
1954-09-15			D		3866.82	NGVD29	1		Z		A
1954-09-15			D		3868.27	NAVD88	1		Z		A
1954-09-15			D	39.73			1		Z		A
1954-11-09			D		3866.78	NGVD29	1		Z		A
1954-11-09			D		3868.23	NAVD88	1		Z		A

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1954-11-09			D	72019	39.77			1	Z		A
1955-01-06			D	62610		3866.76	NGVD29	1	Z		A
1955-01-06			D	62611		3868.21	NAVD88	1	Z		A
1955-01-06			D	72019	39.79			1	Z		A
1955-03-19			D	62610		3866.72	NGVD29	1	Z		A
1955-03-19			D	62611		3868.17	NAVD88	1	Z		A
1955-03-19			D	72019	39.83			1	Z		A
1955-05-27			D	62610		3866.65	NGVD29	1	Z		A
1955-05-27			D	62611		3868.10	NAVD88	1	Z		A
1955-05-27			D	72019	39.90			1	Z		A
1955-07-15			D	62610		3866.63	NGVD29	1	Z		A
1955-07-15			D	62611		3868.08	NAVD88	1	Z		A
1955-07-15			D	72019	39.92			1	Z		A
1955-09-23			D	62610		3866.59	NGVD29	1	Z		A
1955-09-23			D	62611		3868.04	NAVD88	1	Z		A
1955-09-23			D	72019	39.96			1	Z		A
1955-11-28			D	62610		3866.66	NGVD29	1	Z		A
1955-11-28			D	62611		3868.11	NAVD88	1	Z		A
1955-11-28			D	72019	39.89			1	Z		A
1956-01-05			D	62610		3866.72	NGVD29	1	Z		A
1956-01-05			D	62611		3868.17	NAVD88	1	Z		A
1956-01-05			D	72019	39.83			1	Z		A
1956-03-14			D	62610		3866.73	NGVD29	1	Z		A
1956-03-14			D	62611		3868.18	NAVD88	1	Z		A
1956-03-14			D	72019	39.82			1	Z		A
1956-05-09			D	62610		3866.71	NGVD29	1	Z		A
1956-05-09			D	62611		3868.16	NAVD88	1	Z		A
1956-05-09			D	72019	39.84			1	Z		A
1956-07-26			D	62610		3866.62	NGVD29	1	Z		A
1956-07-26			D	62611		3868.07	NAVD88	1	Z		A
1956-07-26			D	72019	39.93			1	Z		A

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1956-09-06			D	62610	3866.61	NGVD29	1	Z			A
1956-09-06			D	62611	3868.06	NAVD88	1	Z			A
1956-09-06			D	72019	39.94		1	Z			A
1956-11-30			D	62610	3866.62	NGVD29	1	Z			A
1956-11-30			D	62611	3868.07	NAVD88	1	Z			A
1956-11-30			D	72019	39.93		1	Z			A
1957-01-23			D	62610	3866.65	NGVD29	1	Z			A
1957-01-23			D	62611	3868.10	NAVD88	1	Z			A
1957-01-23			D	72019	39.90		1	Z			A
1957-03-06			D	62610	3866.63	NGVD29	1	Z			A
1957-03-06			D	62611	3868.08	NAVD88	1	Z			A
1957-03-06			D	72019	39.92		1	Z			A
1957-06-06			D	62610	3866.59	NGVD29	1	Z			A
1957-06-06			D	62611	3868.04	NAVD88	1	Z			A
1957-06-06			D	72019	39.96		1	Z			A
1957-09-11			D	62610	3866.68	NGVD29	1	Z			A
1957-09-11			D	62611	3868.13	NAVD88	1	Z			A
1957-09-11			D	72019	39.87		1	Z			A
1958-01-15			D	62610	3866.67	NGVD29	1	Z			A
1958-01-15			D	62611	3868.12	NAVD88	1	Z			A
1958-01-15			D	72019	39.88		1	Z			A
1958-03-18			D	62610	3866.65	NGVD29	1	Z			A
1958-03-18			D	62611	3868.10	NAVD88	1	Z			A
1958-03-18			D	72019	39.90		1	Z			A
1958-06-25			D	62610	3866.57	NGVD29	1	Z			A
1958-06-25			D	62611	3868.02	NAVD88	1	Z			A
1958-06-25			D	72019	39.98		1	Z			A
1958-09-10			D	62610	3866.51	NGVD29	1	Z			A
1958-09-10			D	62611	3867.96	NAVD88	1	Z			A
1958-09-10			D	72019	40.04		1	Z			A
1959-01-18			D	62610	3868.61	NGVD29	1	Z			A

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1959-01-18			D 62611		3870.06	NAVD88	1	Z			A
1959-01-18			D 72019	37.94			1	Z			A
1959-03-10			D 62610		3867.58	NGVD29	1	Z			A
1959-03-10			D 62611		3869.03	NAVD88	1	Z			A
1959-03-10			D 72019	38.97			1	Z			A
1959-06-02			D 62610		3867.66	NGVD29	1	Z			A
1959-06-02			D 62611		3869.11	NAVD88	1	Z			A
1959-06-02			D 72019	38.89			1	Z			A
1959-09-15			D 62610		3867.36	NGVD29	1	Z			A
1959-09-15			D 62611		3868.81	NAVD88	1	Z			A
1959-09-15			D 72019	39.19			1	Z			A
1960-01-15			D 62610		3867.23	NGVD29	1	Z			A
1960-01-15			D 62611		3868.68	NAVD88	1	Z			A
1960-01-15			D 72019	39.32			1	Z			A
1960-03-23			D 62610		3867.17	NGVD29	1	Z			A
1960-03-23			D 62611		3868.62	NAVD88	1	Z			A
1960-03-23			D 72019	39.38			1	Z			A
1960-06-02			D 62610		3867.07	NGVD29	1	Z			A
1960-06-02			D 62611		3868.52	NAVD88	1	Z			A
1960-06-02			D 72019	39.48			1	Z			A
1960-09-01			D 62610		3868.05	NGVD29	1	Z			A
1960-09-01			D 62611		3869.50	NAVD88	1	Z			A
1960-09-01			D 72019	38.50			1	Z			A
1961-01-17			D 62610		3868.30	NGVD29	1	Z			A
1961-01-17			D 62611		3869.75	NAVD88	1	Z			A
1961-01-17			D 72019	38.25			1	Z			A
1961-03-27			D 62610		3868.26	NGVD29	1	Z			A
1961-03-27			D 62611		3869.71	NAVD88	1	Z			A
1961-03-27			D 72019	38.29			1	Z			A
1961-06-01			D 62610		3868.09	NGVD29	1	Z			A
1961-06-01			D 62611		3869.54	NAVD88	1	Z			A

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1961-06-01			D	72019	38.46			1	Z		A
1961-09-06			D	62610	3868.16	NGVD29		1	Z		A
1961-09-06			D	62611	3869.61	NAVD88		1	Z		A
1961-09-06			D	72019	38.39			1	Z		A
1962-01-16			D	62610	3867.84	NGVD29		1	Z		A
1962-01-16			D	62611	3869.29	NAVD88		1	Z		A
1962-01-16			D	72019	38.71			1	Z		A
1962-03-27			D	62610	3867.67	NGVD29		1	Z		A
1962-03-27			D	62611	3869.12	NAVD88		1	Z		A
1962-03-27			D	72019	38.88			1	Z		A
1962-06-19			D	62610	3867.36	NGVD29		1	Z		A
1962-06-19			D	62611	3868.81	NAVD88		1	Z		A
1962-06-19			D	72019	39.19			1	Z		A
1962-09-24			D	62610	3867.31	NGVD29		1	Z		A
1962-09-24			D	62611	3868.76	NAVD88		1	Z		A
1962-09-24			D	72019	39.24			1	Z		A
1963-02-18			D	62610	3867.55	NGVD29		1	Z		A
1963-02-18			D	62611	3869.00	NAVD88		1	Z		A
1963-02-18			D	72019	39.00			1	Z		A
1963-09-23			D	62610	3867.67	NGVD29		1	Z		A
1963-09-23			D	62611	3869.12	NAVD88		1	Z		A
1963-09-23			D	72019	38.88			1	Z		A
1964-02-10			D	62610	3867.67	NGVD29		1	Z		A
1964-02-10			D	62611	3869.12	NAVD88		1	Z		A
1964-02-10			D	72019	38.88			1	Z		A
1964-09-15			D	62610	3867.47	NGVD29		1	Z		A
1964-09-15			D	62611	3868.92	NAVD88		1	Z		A
1964-09-15			D	72019	39.08			1	Z		A
1965-02-10			D	62610	3867.28	NGVD29		1	Z		A
1965-02-10			D	62611	3868.73	NAVD88		1	Z		A
1965-02-10			D	72019	39.27			1	Z		A

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1965-09-13			D	62610	3866.80	NGVD29	1	Z			A
1965-09-13			D	62611	3868.25	NAVD88	1	Z			A
1965-09-13			D	72019	39.75		1	Z			A
1966-02-07			D	62610	3866.63	NGVD29	1	Z			A
1966-02-07			D	62611	3868.08	NAVD88	1	Z			A
1966-02-07			D	72019	39.92		1	Z			A
1966-09-27			D	62610	3867.41	NGVD29	1	Z			A
1966-09-27			D	62611	3868.86	NAVD88	1	Z			A
1966-09-27			D	72019	39.14		1	Z			A
1967-01-03			D	62610	3867.34	NGVD29	1	Z			A
1967-01-03			D	62611	3868.79	NAVD88	1	Z			A
1967-01-03			D	72019	39.21		1	Z			A
1968-01-02			D	62610	3866.15	NGVD29	1	Z			A
1968-01-02			D	62611	3867.60	NAVD88	1	Z			A
1968-01-02			D	72019	40.40		1	Z			A
1969-01-14			D	62610	3865.69	NGVD29	1	Z			A
1969-01-14			D	62611	3867.14	NAVD88	1	Z			A
1969-01-14			D	72019	40.86		1	Z			A
1970-01-05			D	62610	3865.29	NGVD29	1	Z			A
1970-01-05			D	62611	3866.74	NAVD88	1	Z			A
1970-01-05			D	72019	41.26		1	Z			A
1971-02-12			D	62610	3864.81	NGVD29	1	Z			A
1971-02-12			D	62611	3866.26	NAVD88	1	Z			A
1971-02-12			D	72019	41.74		1	Z			A
1976-03-04			D	62610	3864.00	NGVD29	1	Z			A
1976-03-04			D	62611	3865.45	NAVD88	1	Z			A
1976-03-04			D	72019	42.55		1	Z			A
1981-01-21			D	62610	3861.37	NGVD29	1	Z			A
1981-01-21			D	62611	3862.82	NAVD88	1	Z			A
1981-01-21			D	72019	45.18		1	Z			A
1986-04-09			D	62610	3859.16	NGVD29	1	Z			A

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1986-04-09			D	62611	3860.61	NAVD88	1	Z			A
1986-04-09			D	72019	47.39		1	Z			A
1996-02-08			D	62610	3856.14	NGVD29	1	S			A
1996-02-08			D	62611	3857.59	NAVD88	1	S			A
1996-02-08			D	72019	50.41		1	S			A
2001-01-16			D	62610	3854.32	NGVD29	1	S			A
2001-01-16			D	62611	3855.77	NAVD88	1	S			A
2001-01-16			D	72019	52.23		1	S			A
2006-02-22	17:44 UTC		m	62610	3854.42	NGVD29	1	S	USGS	S	A
2006-02-22	17:44 UTC		m	62611	3855.87	NAVD88	1	S	USGS	S	A
2006-02-22	17:44 UTC		m	72019	52.13		1	S	USGS	S	A
2016-01-06	22:48 UTC		m	62610	3851.06	NGVD29	1	S	USGS	S	A
2016-01-06	22:48 UTC		m	62611	3852.51	NAVD88	1	S	USGS	S	A
2016-01-06	22:48 UTC		m	72019	55.49		1	S	USGS	S	A
2020-12-31	20:46 UTC		m	62610	3849.23	NGVD29	1	S	USGS	S	A
2020-12-31	20:46 UTC		m	62611	3850.68	NAVD88	1	S	USGS	S	A
2020-12-31	20:46 UTC		m	72019	57.32		1	S	USGS	S	A
2021-12-22	19:02 UTC		m	62610	3848.49	NGVD29	1	V	USGS	S	A
2021-12-22	19:02 UTC		m	62611	3849.94	NAVD88	1	V	USGS	S	A
2021-12-22	19:02 UTC		m	72019	58.06		1	V	USGS	S	A
2022-12-22	18:52 UTC		m	62610	3848.12	NGVD29	1	S	USGS	S	A
2022-12-22	18:52 UTC		m	62611	3849.57	NAVD88	1	S	USGS	S	A
2022-12-22	18:52 UTC		m	72019	58.43		1	S	USGS	S	A
2024-02-08	18:45 UTC		m	62610	3847.74	NGVD29	1	V	USGS	S	A
2024-02-08	18:45 UTC		m	62611	3849.19	NAVD88	1	V	USGS	S	A
2024-02-08	18:45 UTC		m	72019	58.81		1	V	USGS	S	A

Explanation

Section	Code	Description
---------	------	-------------

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
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
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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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: 2024-09-20 15:31:34 EDT
0.34 0.24 nadww01

Appendix C – Photographic Log

DCP Operating Company, LP

B Line Leak – nAPP2322146971



DCP Operating Company, LP

B Line Leak – nAPP2322146971



DCP Operating Company, LP

B Line Leak – nAPP2322146971



Appendix D – Certified Laboratory Analytical Reports



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

February 09, 2024

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 6209_B- LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 02/06/24 8:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 1 @ 1' (H240538-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	1.98	98.9	2.00	0.486		
Toluene*	<0.050	0.050	02/06/2024	ND	1.99	99.5	2.00	3.53		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	104	2.00	4.50		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.06	101	6.00	3.93		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	224	16.0	02/06/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	223	111	200	2.26	
DRO >C10-C28*	38.9	10.0	02/06/2024	ND	215	107	200	1.22	
EXT DRO >C28-C36	33.9	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 1 @ 2' (H240538-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	1.98	98.9	2.00	0.486		
Toluene*	<0.050	0.050	02/06/2024	ND	1.99	99.5	2.00	3.53		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	104	2.00	4.50		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.06	101	6.00	3.93		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	80.0	16.0	02/06/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	223	111	200	2.26	
DRO >C10-C28*	114	10.0	02/06/2024	ND	215	107	200	1.22	
EXT DRO >C28-C36	166	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 2 @ 1' (H240538-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2024	ND	1.98	98.9	2.00	0.486	
Toluene*	<0.050	0.050	02/06/2024	ND	1.99	99.5	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	104	2.00	4.50	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.06	101	6.00	3.93	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	1280	16.0	02/06/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	223	111	200	2.26	
DRO >C10-C28*	43.3	10.0	02/06/2024	ND	215	107	200	1.22	
EXT DRO >C28-C36	26.6	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 2 @ 2' (H240538-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	1.98	98.9	2.00	0.486	
Toluene*	<0.050	0.050	02/07/2024	ND	1.99	99.5	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	104	2.00	4.50	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.06	101	6.00	3.93	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	240	16.0	02/06/2024	ND	432	108	400	3.77	

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	223	111	200	2.26	
DRO >C10-C28*	45.2	10.0	02/06/2024	ND	215	107	200	1.22	
EXT DRO >C28-C36	12.4	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 152 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 3 @ 1' (H240538-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2024	ND	1.98	98.9	2.00	0.486	
Toluene*	<0.050	0.050	02/06/2024	ND	1.99	99.5	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	104	2.00	4.50	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.06	101	6.00	3.93	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	192	16.0	02/06/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	223	111	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	215	107	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 3 @ 2' (H240538-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2024	ND	1.98	98.9	2.00	0.486	
Toluene*	<0.050	0.050	02/06/2024	ND	1.99	99.5	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	104	2.00	4.50	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.06	101	6.00	3.93	
Total BTEX	<0.300	0.300	02/06/2024	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	368	16.0	02/06/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	223	111	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	215	107	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 4 @ 2' (H240538-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	1.98	98.9	2.00	0.486		
Toluene*	<0.050	0.050	02/06/2024	ND	1.99	99.5	2.00	3.53		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	104	2.00	4.50		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.06	101	6.00	3.93		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	448	16.0	02/06/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	223	111	200	2.26	
DRO >C10-C28*	557	10.0	02/06/2024	ND	215	107	200	1.22	
EXT DRO >C28-C36	318	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 4 @ 4' (H240538-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2024	ND	1.98	98.9	2.00	0.486	
Toluene*	<0.050	0.050	02/06/2024	ND	1.99	99.5	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	104	2.00	4.50	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.06	101	6.00	3.93	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	320	16.0	02/06/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	223	111	200	2.26	
DRO >C10-C28*	508	10.0	02/06/2024	ND	215	107	200	1.22	
EXT DRO >C28-C36	365	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 165 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 5 @ 1' (H240538-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	1.98	98.9	2.00	0.486		
Toluene*	<0.050	0.050	02/06/2024	ND	1.99	99.5	2.00	3.53		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	104	2.00	4.50		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.06	101	6.00	3.93		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	272	16.0	02/06/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	223	111	200	2.26	
DRO >C10-C28*	23.0	10.0	02/07/2024	ND	215	107	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 5 @ 2' (H240538-12)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2024	ND	1.98	98.9	2.00	0.486	
Toluene*	<0.050	0.050	02/06/2024	ND	1.99	99.5	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	104	2.00	4.50	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.06	101	6.00	3.93	
Total BTEX	<0.300	0.300	02/06/2024	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	144	16.0	02/06/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	201	100	200	0.825	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	195	97.4	200	0.318	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 6 @ 1' (H240538-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2024	ND	1.98	98.9	2.00	0.486	
Toluene*	<0.050	0.050	02/06/2024	ND	1.99	99.5	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	104	2.00	4.50	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.06	101	6.00	3.93	
Total BTEX	<0.300	0.300	02/06/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/06/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	201	100	200	0.825	
DRO >C10-C28*	90.5	10.0	02/06/2024	ND	195	97.4	200	0.318	
EXT DRO >C28-C36	102	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 6 @ 3' (H240538-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2024	ND	1.98	98.9	2.00	0.486	
Toluene*	<0.050	0.050	02/06/2024	ND	1.99	99.5	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	104	2.00	4.50	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.06	101	6.00	3.93	
Total BTEX	<0.300	0.300	02/06/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/06/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	201	100	200	0.825	
DRO >C10-C28*	49.6	10.0	02/06/2024	ND	195	97.4	200	0.318	
EXT DRO >C28-C36	61.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 7 @ 1' (H240538-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2024	ND	1.98	98.9	2.00	0.486	
Toluene*	<0.050	0.050	02/06/2024	ND	1.99	99.5	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	104	2.00	4.50	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.06	101	6.00	3.93	
Total BTEX	<0.300	0.300	02/06/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/06/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	201	100	200	0.825	
DRO >C10-C28*	199	10.0	02/06/2024	ND	195	97.4	200	0.318	
EXT DRO >C28-C36	210	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 7 @ 1.5' (H240538-17)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2024	ND	1.98	98.9	2.00	0.486	
Toluene*	<0.050	0.050	02/06/2024	ND	1.99	99.5	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	104	2.00	4.50	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.06	101	6.00	3.93	
Total BTX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/06/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	201	100	200	0.825	
DRO >C10-C28*	116	10.0	02/06/2024	ND	195	97.4	200	0.318	
EXT DRO >C28-C36	133	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 8 @ 1' (H240538-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.169		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.10	105	2.00	0.466		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.13	102	6.00	0.566		
Total BTEx	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	02/06/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	201	100	200	0.825	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	195	97.4	200	0.318	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/06/2024
 Reported: 02/09/2024
 Project Name: 6209_B- LINE LEAK
 Project Number: 6209
 Project Location: NONE GIVEN

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: V - 8 @ 2' (H240538-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.169		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.10	105	2.00	0.466		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.13	102	6.00	0.566		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/06/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	201	100	200	0.825	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	195	97.4	200	0.318	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager


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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences				BILL TO				ANALYSIS REQUEST											
Project Manager: Kyle Norman				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>TPH 8015 Ext</div> <div>BTEX</div> <div>Chlorides</div> <div>Hold</div> <div>24-hr Rush</div> </div>											
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 #: 6209 Project Owner: DCP Operating Company				City: Hobbs															
Project Name: 6209_B-Line Leak				State: NM Zip: 88240															
Project Location:				Phone #: 575-318-5017															
Sampler Name: Kendon Stark				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING									
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER		ACID/BASE			
				ICE / COOL		OTHER													
				DATE		TIME													
1		V-1 @ 1'		C 1		X		X		2/05/24		1025		X		X			
2		V-1 @ 2'		C 1		X		X		2/05/24		1030		X		X			
3		V-2 @ 1'		C 1		X		X		2/05/24		0900		X		X			
4		V-2 @ 2'		C 1		X		X		2/05/24		0905		X		X			
5		V-3 @ 1'		C 1		X		X		2/05/24		0910		X		X			
6		V-3 @ 2'		C 1		X		X		2/05/24		0915		X		X			
7		V-4 @ 1'		C 1		X		X		2/05/24		0920				X			
8		V-4 @ 2'		C 1		X		X		2/05/24		0925		X		X			
9		V-4 @ 3'		C 1		X		X		2/05/24		0930				X			
10		V-4 @ 4'		C 1		X		X		2/05/24		0935		X		X			

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Relinquished By: <i>Kendon Stark</i>		Date: 2/6/24		Received By: <i>Brandi Bautista</i>		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:	
		Time: 0805				Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS: email results: NMData@tasman-geo.com Janice.L.Hyman@p66.com; Albert.L.Hyman@p66.com			
		Time:							
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -12-0°				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <i>BB</i>			

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

QUESTIONS

Action 390747

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID:
	36785
	Action Number:
	390747
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2322146971
Incident Name	NAPP2322146971 B LINE LEAK @ 0
Incident Type	Blow Out
Incident Status	Remediation Plan Received

Location of Release Source

Please answer all the questions in this group.

Site Name	B LINE LEAK
Date Release Discovered	08/07/2023
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	Cause: Blow Out Pipeline (Any) Produced Water Released: 18 BBL Recovered: 4 BBL Lost: 14 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 390747

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID:	36785
	Action Number:	390747
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	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: 10/08/2024
--	---

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QUESTIONS, Page 3

Action 390747

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID:
	36785
	Action Number:
	390747
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 200 and 300 (ft.)
Any other fresh water well or spring	Between 200 and 300 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
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	None
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)	1280
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	875
GRO+DRO	(EPA SW-846 Method 8015M)	557
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.3
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1

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	11/01/2024
On what date will (or did) the final sampling or liner inspection occur	11/18/2024
On what date will (or was) the remediation complete(d)	11/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	20000
What is the estimated volume (in cubic yards) that will be reclaimed	1200
What is the estimated surface area (in square feet) that will be remediated	8000
What is the estimated volume (in cubic yards) that will be remediated	1200

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, Page 4

Action 390747

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID:	36785
	Action Number:	390747
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Ray Smalts Title: Sr Environmental Eng/Spec Email: raymond.a.smalts@p66.com Date: 10/08/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 390747

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 390747
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS, Page 6
Action 390747

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 390747
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

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CONDITIONS

Action 390747

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 390747
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved as written. Sampling frequency increased from 200 to 400 square feet per composite is approved. DCP has 90-days (January 14, 2025) to submit to OCD its appropriate or final remediation closure report.	10/16/2024