

NORTH BOOSTER LINE LEAK

Remediation Summary & Closure Report

NMOCD Incident No. nAPP2304431462
UL "E", Sec. 35, T22S, R28E
32.349960, -104.065647
Eddy County, New Mexico

August 13, 2024



PREPARED ON BEHALF OF

DCP Operating Company, LP
6900 E. Layton Avenue
Suite 900
Denver, CO 80237-3658

PREPARED BY

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



August 13, 2024

DCP Operating Company, LP
6900 E Layton Ave., Suite 900
Denver, CO 80237-3658

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

Re: Remediation Summary & Closure Report
North Booster Line Leak
UL "E", Section 35, Township 22 South, Range 28 East | Eddy County, New Mexico
NMOCD Incident No. nAPP2304431462
DCP Leak No. Unassigned | Tasman Project No. 5293

Dear Mr. Case,

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

Tasman conducted initial assessment activities, identifying an approximately 38,681 square foot area that had been impacted by the release. Heavy equipment was used to remove approximately 192 cubic yards of impacted material from the release area. Based on laboratory analytical results from soil samples collected during confirmation sampling activities, impacted soil within the release area has been remediated below the applicable NMOCD Action Levels and in accordance with NMOCD standards. Additional project details are provided in the attached summary report.

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 Environmental Scientist
bdennis@tasman-geo.com

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

TABLE OF CONTENTS

1.0 INTRODUCTION	1
1.1 Site Description.....	1
1.2 Release Detail and Initial Response	1
2.0 SITE CHARACTERISTICS.....	1
2.1 Depth to Groundwater	1
2.2 Karst Potential & Subsurface Mines	2
2.3 Distance to Nearest Potable Water Well	2
2.4 Distance to Nearest Surface Water.....	2
2.5 100-year Floodplain.....	2
2.6 Residence, School, Hospital, or Institution	2
2.7 Proximity to Sensitive Receptors and Site Characteristics Summary	3
3.0 REMEDIATION ACTION LEVELS.....	3
3.1 Reclamation Levels	3
4.0 SOIL SAMPLING PROCEDURES.....	4
4.1 Soil Sampling Procedures for Laboratory Analysis	4
4.2 Soil Analytical Methods	4
5.0 SUMMARY OF REMEDIAL ACTIVITIES	4
5.1 Remedial Activities	4
5.2 Confirmation Data Evaluation.....	5
6.0 RESTORATION AND RECLAMATION.....	5
7.0 SITE CLOSURE REQUEST	6

Figures

- Figure 1 – Site Location & Groundwater Map
- Figure 2 – Karst Potential & Subsurface Mine Map
- Figure 3 – Surface Water Map
- Figure 4 – FEMA FIRMet Map
- Figure 5 – Excavation Overview Map

Tables

- Table 1 – Soil Sample Analytical Summary – Site Assessment and Confirmation Soil Samples

Appendix A – Initial Form C-141 and NMOCD Notifications

Appendix B – Depth to Groundwater Information

Appendix C – Manifests

Appendix D – Photographic Log

Appendix E – Certified Laboratory Analytical Reports

1.0 INTRODUCTION

Tasman, Inc. (Tasman) is pleased to submit this Remediation Summary and Closure Report for the North Booster Line Leak (site) on behalf of DCP Operating Company, LP (DCP), documenting the results of field activities conducted in response to a release of natural gas and natural gas condensate to environmental media.

1.1 Site Description

The site is located in Unit Letter "E" of Section 35, Township 22 South, Range 28 East in Eddy County, New Mexico. The release occurred from the North Booster gathering system pipeline, a 6-inch diameter steel natural gas pipeline located on property held by the Bureau of Land Management (BLM).

1.2 Release Detail and Initial Response

On February 11, 2023, the North Booster gathering system pipeline was discovered by DCP personnel to have failed due to a broken flange. On February 11, 2023, at approximately 3:43 PM, DCP provided notice of the release to the District Manager for New Mexico Oil Conservation District (NMOCD) by e-mail, followed by a notification of release (NOR) submitted to the NMOCD portal. The release resulted in the loss of approximately 10 barrels (bbls) of natural gas condensate to the surrounding environmental media. DCP personnel shut in the pipeline to isolate the release. The line was later repaired and returned to service. No natural gas condensate was recovered.

A copy of NMOCD notifications is 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 United States Geological Survey (USGS) for registered water wells within a half-mile radius of the site. Based on the available water well data, nearest well, NMOSE POD04688, is located approximately 0.15 miles from the site. Depth to groundwater was measured at 64 feet below ground surface (bgs) in the well in 2022.

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 the well gauged on December 27, 2022, that is assumed to be CP 04688 POD1. The well is located 0.16 miles from the site. The location of OCD CP 04688 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 freshwater emergent wetland is located 0.22 miles south of the site. The nearest significant surface water was identified as Pecos River, located 1.07 miles from the site. The location of the nearest wetland and surface water body can be seen on Figures 1 and 3.

2.5 100-year Floodplain

Review of flood map data published by the Federal Emergency Management Agency (FEMA) indicates the site is not located within a 100-year floodplain. A copy of the FEMA 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 Proximity to Sensitive Receptors and Site Characteristics Summary

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

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

3.0 REMEDIATION ACTION LEVELS

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

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

TPH – total petroleum hydrocarbons

DRO – diesel range organics

BTEX – benzene, toluene, ethylbenzene, total xylenes

GRO – gasoline range organics

MRO – motor/lube oil range organics

mg/kg – milligrams per kilogram

3.1 Reclamation Levels

NMAC 19.15.29.13(D) codifies, and the *Procedures for Implementation of the Spill Rule*, dated September 6, 2019, clarifies that the top four feet of the remediated area should be non-waste containing. Therefore, the NMOCD Reclamation Standards are applied to the top four feet of any area impacted by a release that is not located within an active production facility. The extents of

the release occurred within the boundaries of the North Booster facility, therefore NMOCD Reclamation Standards were not applied.

4.0 SOIL SAMPLING PROCEDURES

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.

5.0 SUMMARY OF REMEDIAL ACTIVITIES

5.1 Remedial Activities

From February 16, 2023 to March 3 and from August 15 to August 18, 2023, Tasman utilized heavy equipment, hand tools, and hydro-excavation to remove impacted soil from within the release margins. Excavated material was stockpiled on-site atop a polyethylene liner pending transportation to an NMOCD approved disposal facility.

The final remedial excavation measured approximately 99 feet long by 15 feet wide by varying depths ranging from one foot to four feet below ground surface (bgs). A total of 192 cubic yards of excavated material was exported to Lea Land, LLC Landfill.

Copies of solid manifests are provided in Appendix C and a photographic log is provided in Appendix D.

5.2 Confirmation Data Evaluation

On July 12, 2023, Tasman provided a 48-hour mobilization notice to the NMOCD via email (Appendix A). On July 17, 2023, Tasman mobilized to the site to collect confirmation soil samples from the base and sidewalls of the remedial excavation. Eight confirmation soil samples were collected from the base of the excavation and six confirmation soil samples were collected from the sidewalls of the excavation. Each confirmation soil sample was collected as a five-point composite representing approximately 200 square feet (ft²) or less of excavation base or sidewall area.

Detected concentrations of total TPH exceeded applicable NMOCD Action Levels in confirmation soil samples FI-1, FI-3, FI-4 and FI-7, with concentrations ranging from 160.8 milligrams per kilogram (mg/kg) to 3,672 mg/kg. Detected concentrations of chlorides exceeded applicable NMOCD Action Levels in confirmation soil samples FI-3 and FI-4, with concentrations of 960 mg/kg and 12,900 mg/kg, respectively. The remaining samples indicated benzene, total BTEX, total TPH and chloride concentrations were below applicable NMOCD Action Levels.

On August 15, 2023, Tasman completed additional excavation to remove impacted material indicated by laboratory analytical results to have exceeded NMOCD Action Levels during the initial confirmation sampling event. Subsequently, confirmation soil samples FL-3 at two feet bgs and FL-4 at three feet bgs were collected from the base of the excavation.

Detected concentrations of total TPH and chloride exceeded applicable NMOCD Action Levels in confirmation soil sample FI-3 collected at two feet bgs with a concentration of 1,497 mg/kg and 21,600 mg/kg, respectively. Benzene and total BTEX were below applicable NMOCD Action Levels in FI-3 and throughout all constituents in confirmation sample FI-4 collected from three feet bgs.

On August 18, 2023, Tasman completed additional excavation to remove impacted material around confirmation sample FI-3. Benzene, total BTEX, TPH and chloride concentrations each resulted in concentrations below the applicable NMOCD Action Levels.

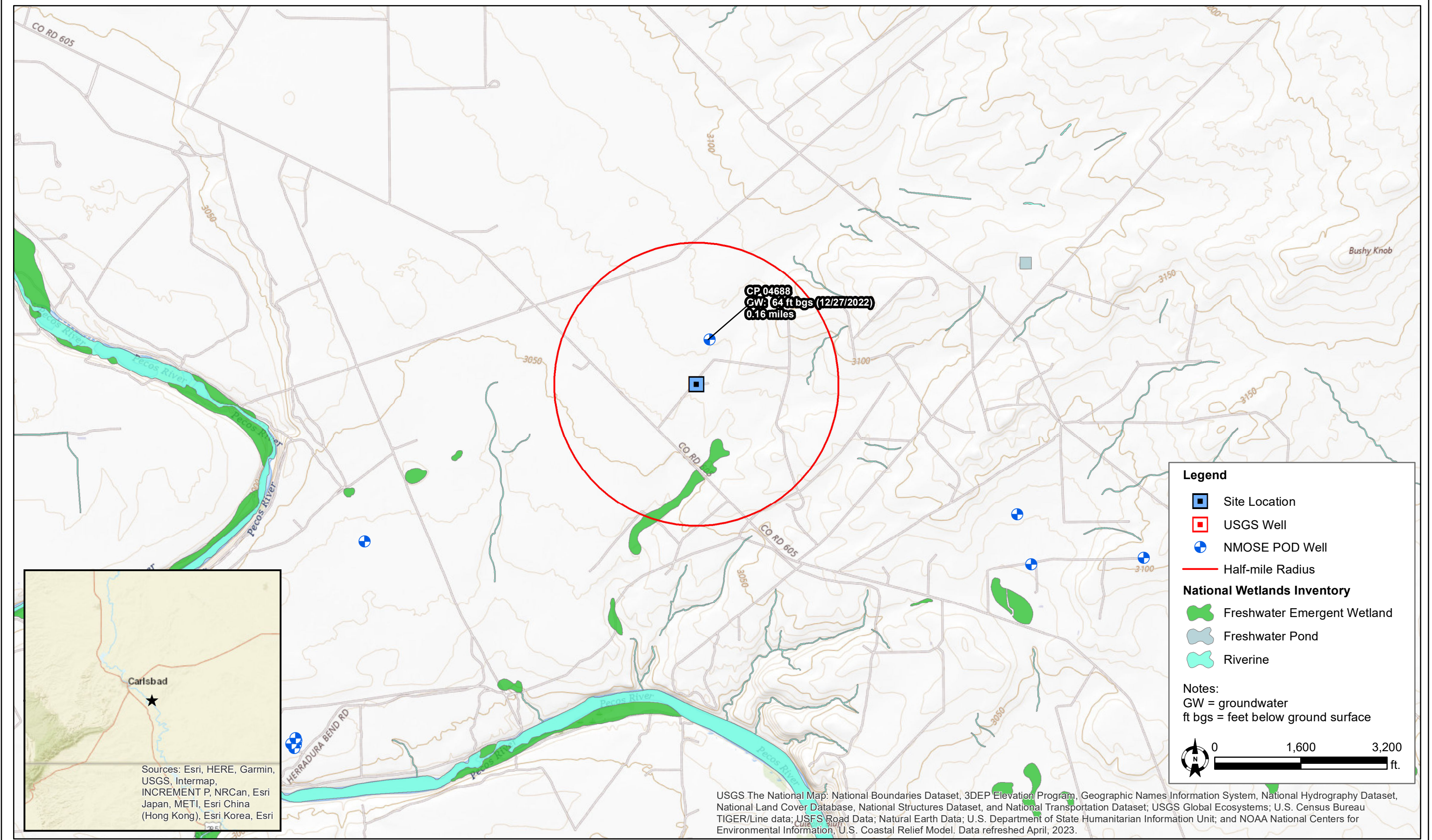
6.0 RESTORATION AND RECLAMATION

Areas affected by the release and associated remediation activities were restored to the condition which existed prior to the release to the maximum extent possible. Excavated areas were 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.

7.0 SITE CLOSURE REQUEST

Based on laboratory analytical results from soil samples collected during the confirmation sampling events, impacted soil within the release area has been remediated below the applicable NMOCD Action Levels in accordance with NMAC 19.15.29. As such, Tasman, on behalf of DCP, respectfully requests that the site be granted closure (Appendix F).

Figures



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

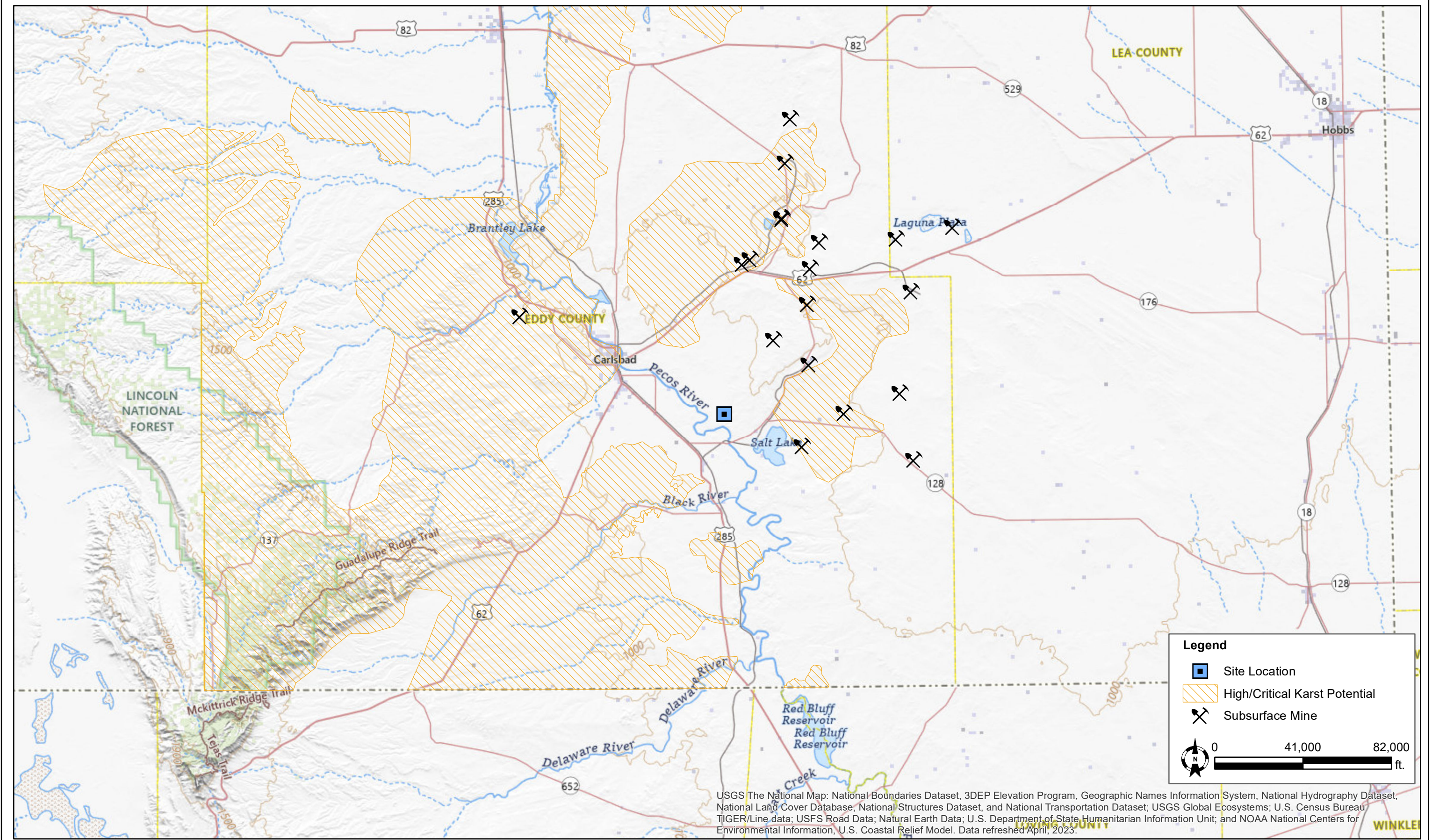


Tasman, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

DCP Operating Company, LP
North Booster Line Leak - nAPP2304431462
UL "E" Sec. 35, T22S, R28E
Eddy County, New Mexico

Site Location & Groundwater
Map

Figure
1



USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed April, 2023.

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



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DCP Operating Company, LP
North Booster Line Leak - nAPP2304431462
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Eddy County, New Mexico

Karst Potential & Subsurface
Mine Map

Figure
2



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



Tasman, Inc.
6855 W. 119th Ave
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DCP Operating Company, LP
North Booster Line Leak - nAPP2304431462
UL "E" Sec. 35, T22S, R28E
Eddy County, New Mexico

Surface Water Map

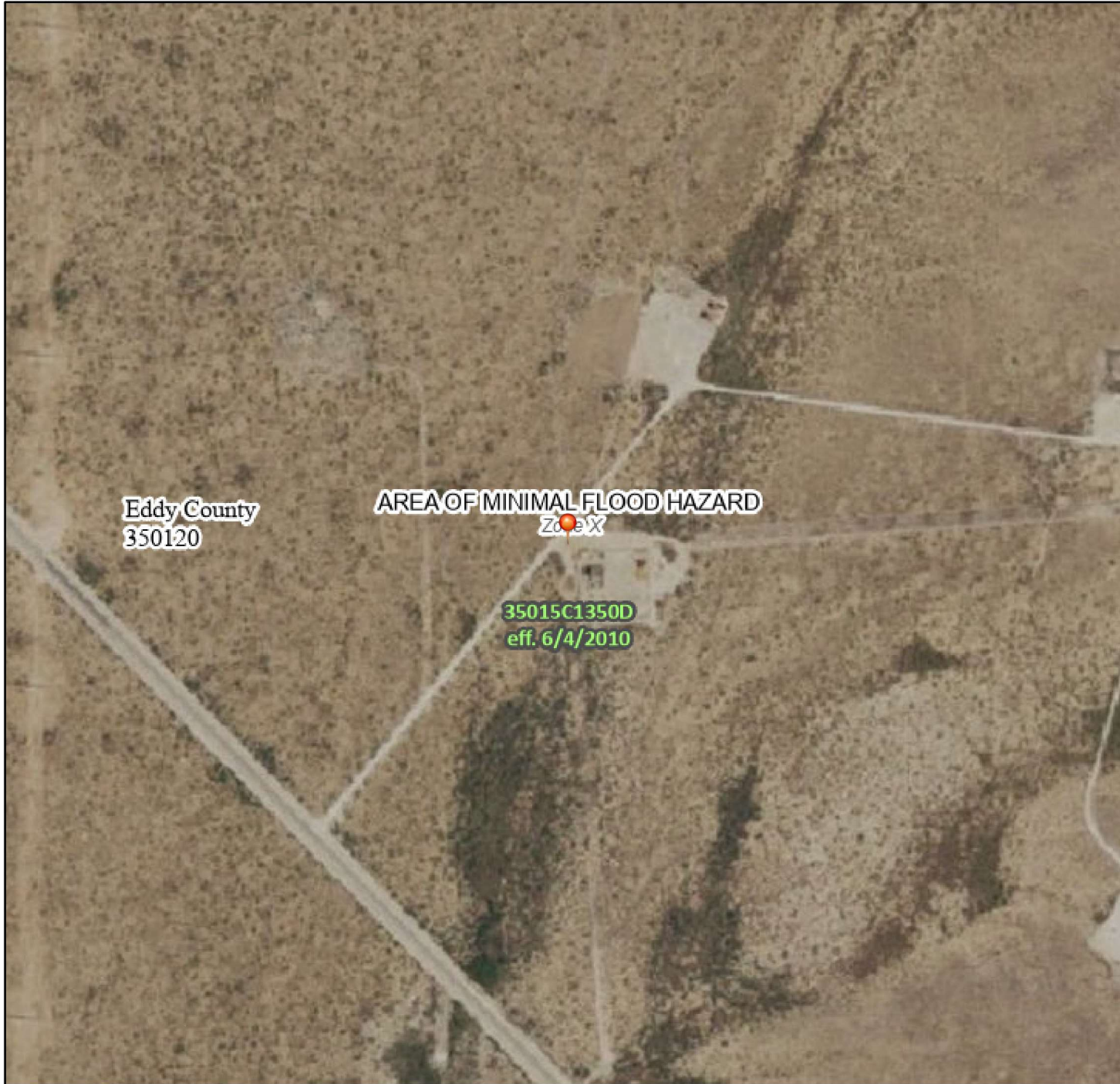
Figure
3

National Flood Hazard Layer FIRMette



Figure 4

104°4'15"W 32°21'15"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		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 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

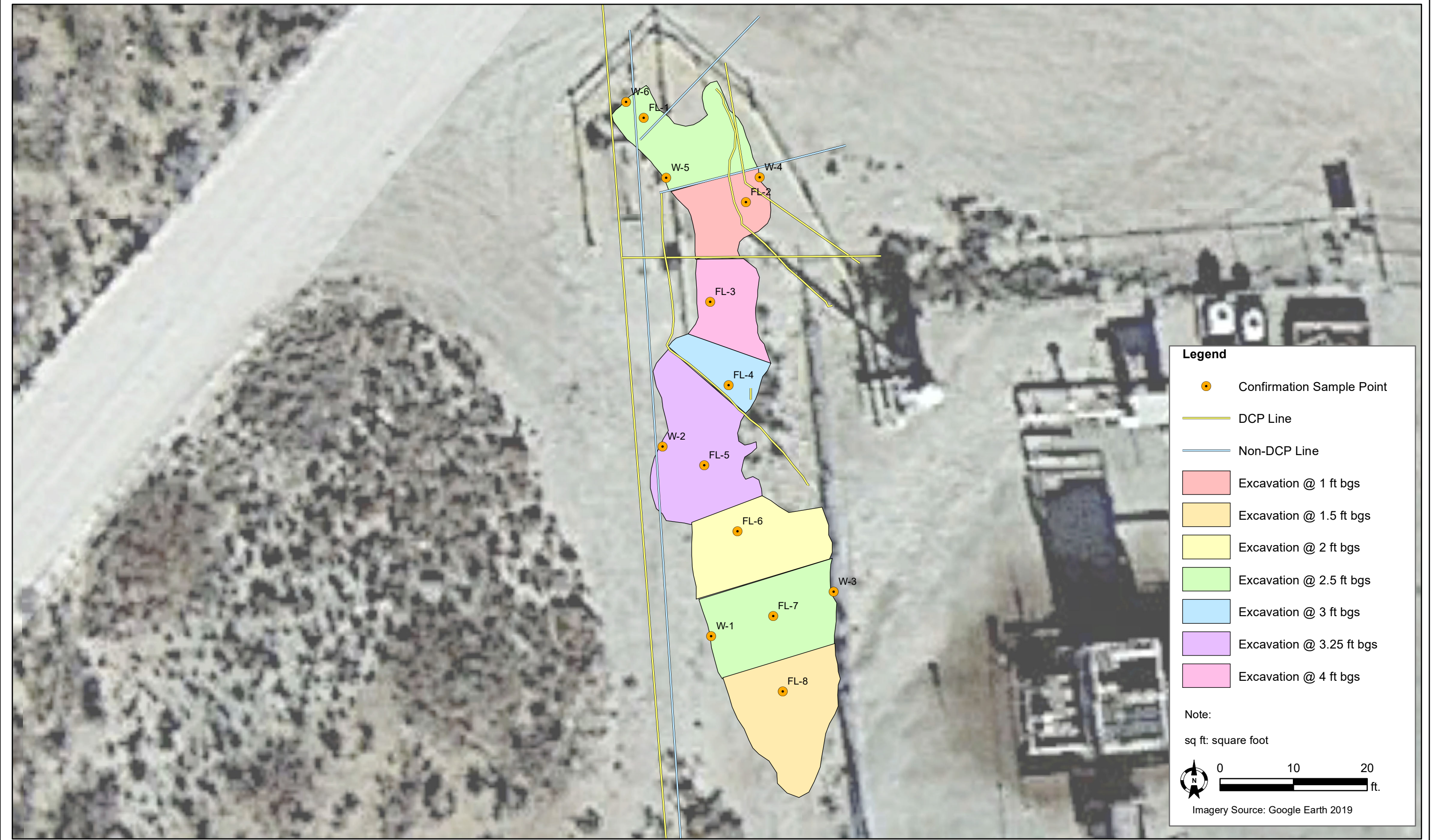


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/25/2024 at 11:22 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



DATE:	September 2023
DESIGNED BY:	K. Stark
DRAWN BY:	L. Flores



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

DCP Operating Company, LP
North Booster Line Leak - nAPP2304431462
UL "E" Sec. 35, T22S, R28E
Eddy County, New Mexico

Excavation Overview Map

Figure
5

Table

TABLE 1
SOIL ANALYTICAL SUMMARY
DCP Operating Company, LP
North Booster Line Leak - nAPP2304431462

Sample ID	Sample Depth (bgs)	Sample Date	Soil Status	PID (ppm)	Field Chloride (mg/kg)	Benzene (mg/kg)	Total BTEX ¹ (mg/kg)	TPH ² (mg/kg)				Chloride ³ (mg/kg)
								GRO	DRO	MRO	TOTAL	
Site Assessment Soil Samples												
HA-1*	0 - 0.5'	2/11/2023	Excavated	1930	9,638	---	---	---	---	---	---	---
	0.5 - 1'		Excavated	1685	10,934	---	---	---	---	---	---	
HA-2*	0 - 0.5'	2/11/2023	Excavated	1829	8,312	---	---	---	---	---	---	---
HA-3*	0 - 0.5'	2/11/2023	Excavated	688	209	---	---	---	---	---	---	---
Confirmation Soil Samples												
W-1	---	7/17/2023	In-Situ	4.1	151	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
W-2	---	7/17/2023	In-Situ	5.3	91	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
W-3	---	7/17/2023	In-Situ	6.6	30	<0.050	<0.300	<10.0	85.1	<10.0	85.1	48.0
W-4	---	7/17/2023	In-Situ	4.6	362	<0.050	<0.300	<10.0	20.5	<10.0	20.5	384
W-5	---	7/17/2023	In-Situ	5.9	150	<0.050	<0.300	<10.0	26.4	<10.0	26.4	288
W-6	---	7/17/2023	In-Situ	5.6	94	<0.050	<0.300	<10.0	29.0	<10.0	29.0	80.0
FL-1	2.5'	7/17/2023	In-Situ	7.1	62	<0.050	<0.300	<10.0	189	23.7	213	80.0
FL-2	1'	7/17/2023	In-Situ	5.6	175	<0.050	<0.300	<10.0	22.1	<10.0	22.1	320
FL-3	1'	7/17/2023	Excavated	4.5	614	<0.050	<0.300	<10.0	2,840	832	3,672	960
	2'	8/15/2023	Excavated	---	---	<0.050	<0.300	<10.0	1,220	277	1,497	21,600
	4'	8/18/2023	In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	160
FL-4	1'	7/17/2023	Excavated	7.9	8,421	<0.050	<0.300	<10.0	242	68.4	310	12,900
	3'	8/15/2023	In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	128
FL-5	3.25'	7/17/2023	In-Situ	7.7	150	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FL-6	2'	7/17/2023	In-Situ	8.4	149	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FL-7	2.5'	7/17/2023	In-Situ	7.1	146	<0.050	<0.300	<10.0	148	12.8	161	144
FL-8	1.5'	7/17/2023	In-Situ	5.7	149	<0.050	<0.300	<10.0	63.0	<10.0	63.0	32.0
NMOCD Action Levels ⁴				N/A	N/A	10	50	1,000		N/A	2,500	10,000

Notes:

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes by EPA method 8021B
 2. TPH = Total petroleum hydrocarbons analyzed by method EPA 8015M (GRO/DRO/MRO)
 3. Chloride - Analyzed by EPA method SM4500
 4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (NMAC 19.15.29.12(N))
- * = Denotes discrete/grab sample. All other samples are five-point composites
- N/A = Not applicable

Bold values denote concentrations above laboratory 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 (SDL)

Appendix A – Initial C-141, BLM Notifications and NMOCD Notifications

District I
1625 N. French Dr., Hobbs, NM 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	nAPP2304431462
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party DCP Operating Company, LP	OGRID 36785
Contact Name Nicholas L. Case	Contact Telephone 575-802-5225
Contact email NLCase@dcpmidstream.com	Incident # (assigned by OCD) nAPP2304431462
Contact mailing address 5301 Sierra Vista Drive	Carlsbad NM 88220

Location of Release Source

Latitude 32.349960 Longitude -104.065647
(NAD 83 in decimal degrees to 5 decimal places)

Site Name North Booster Line	Site Type Pipeline
Date Release Discovered 02/11/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
E	35	22S	28E	Eddy

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

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 type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 10	Volume Recovered (bbls) 1
<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 February 2, 2023, DCP Ops discovered a failed flange associated with the gathering system piping at the North Booster site in Eddy County. Ops has blocked in the segment and has called for a vac truck to suck up any standing fluids and to de-inventory any additional fluids still within the piping.

Incident ID	nAPP2304431462
District RP	
Facility ID	
Application ID	

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

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: <u>Nicholas L. Case</u>	Title: <u>Staff Environmental Eng/Spec</u>
Signature: _____	Date: <u>02/13/2023</u>
email: <u>NLCase@dcpmidstream.com</u>	Telephone: <u>575-802-5225</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

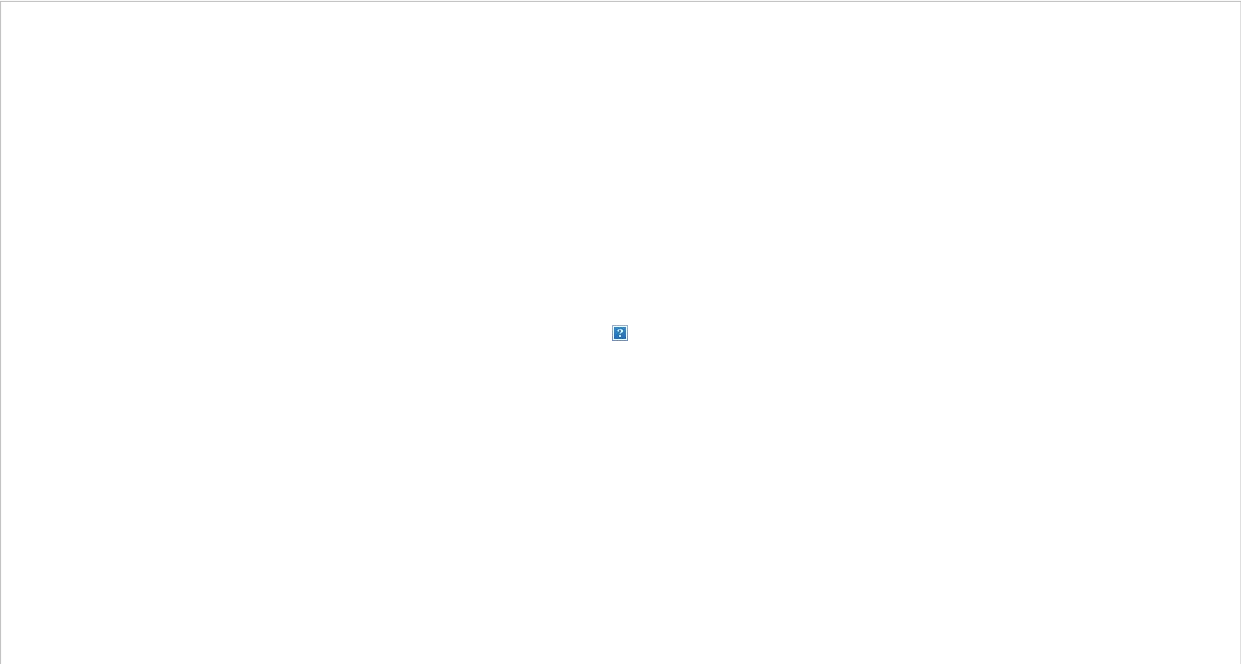
From: [Case, Nicholas L.](#)
To: [Bratcher, Michael, FMNRD](#); [Bratcher, Mike, FMNRD](#)
Cc: [Cook, John W.](#); [Kyle Norman](#); [Dabney, Claudia](#); [Case, Nicholas L.](#)
Subject: Liquids release at DCP North Station CS and possible Reportable event (NOR)
Date: Saturday, February 11, 2023 3:42:44 PM
Attachments: [nmaoe001.pdf](#)
[nmaoe002.png](#)
[nmaoe003.tsc](#)

Mr. Bratcher: DCP Ops, this afternoon, discovered a failed flange associated with the gathering system piping at the North Booster site in Eddy county. Ops has blocked in the segment and has called for a vac truck to suck up any standing fluids and to de-inventory any additional fluids still within the piping. From operations reports, the spill of pipeline fluids is anywhere between 5 and 25 bbls. Tasman (third party ENV remediation contractors) are in route to evaluate the leak/ loss.

Therefore:

In an abundance of caution and to meet potentially applicable reporting deadlines, DCP is submitting this initial report based on the information currently available and DCP's understanding of the facts at this time; however, DCP's investigation and assessment is ongoing. DCP therefore reserves the right to supplement and revise the information in this initial report if and as new information becomes available. DCP also reserves the right to raise any arguments, facts, or defenses regarding this incident, including that this incident is not a "major release" as defined by 19.15.29.7(A) NMAC.

Please contact me if you have any additional questions or concerns for this possible NOR (also map below).
Thanks Nick



Nicholas L. Case
Staff Environmental Eng/Spec

DCP Midstream Operating Company LP
5301 Sierra Vista Drive
Carlsbad NM 88220
Cell: 575-802-5225
e-mail: NLCase@dcpmidstream.com



OCD Permitting

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

[NOTIFY] Notification Of Release (NOR) Application

Submission Information

Submission ID:	185362	Districts:	Artesia
Operator:	[36785] DCP OPERATING COMPANY, LP	Counties:	Eddy
Description:	DCP OPERATING COMPANY, LP [36785] NORTH BOOSTER LINE nAPP2304431462 {Discovery: 02/11/2023, Closure Not Approved, Natural Gas Release, Federal}		
Status:	APPROVED		
Status Date:	02/13/2023		
References (1):	nAPP2304431462		

Forms

This application type does not have attachments.

Questions

Location of Release Source

Please answer all the questions in this group.

Site Name	North Booster Line
Date Release Discovered	02/11/2023
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Natural Gas Release
Did this release result in a fire or is the result of a fire	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Not answered.

Other, Specify, Unknown, and/or Fire, or any negative lost amounts)

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 19.15.29.7(A) NMAC No, minor release.

Reasons why this would be considered a submission for a notification of a major release

If YES, was immediate notice given to the OCD, by whom Nicholas Case

If YES, was immediate notice given to the OCD, to whom Mike Bratcher

If YES, was immediate notice given to the OCD, when 02/11/2023

If YES, was immediate notice given to the OCD, by what means (phone, email, etc.) Email @ 3:43 PM

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 19.15.29.8 B. (4) 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 it has 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 releases 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.

Reasons

No reasons found for this submission.

Go Back

From: [Enviro, OCD, EMNRD](#)
To: [Brett Dennis](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] North Booster Line Leak_nAPP2304431462
Date: Wednesday, July 12, 2023 2:48:24 PM
Attachments: [image002.jpg](#)
[image003.png](#)



IRONSCALES couldn't recognize this email as this is the first time you received an email from this sender OCD.Enviro@emnrd.nm.gov

Brett,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon • Environmental Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

1220 South St. Francis Drive | Santa Fe, NM 87505

(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov

[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Brett Dennis <bdennis@tasman-geo.com>
Sent: Wednesday, July 12, 2023 1:45 PM
To: Kyle Norman <knorman@tasman-geo.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; eco@slo.state.nm.us
Cc: Smalts, Raymond A <Raymond.A.Smalts@p66.com>; Case, Nicholas L <Nicholas.L.Case@p66.com>; Weathers, Stephen <stephen.weathers@p66.com>;

stacey.daly@p66.com; Laura Flores <LFlores@tasman-geo.com>; Miguel Cardona Jr
<mcardona@tasman-geo.com>

Subject: [EXTERNAL] North Booster Line Leak_nAPP2304431462

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon all,

We will begin collecting confirmation soil samples on Tuesday July 18th at approximately 9am for the North Booster Line Leak_nAPP2304431462. We will keep you updated, should the anticipated schedule change.

Please let me know if you have any questions or concerns.

Thank you.

Brett Dennis

Senior Environmental Scientist

Tasman, Inc.

2620 W. Marland Ave.

Hobbs, NM 88240

C: 325.660.7395

bdennis@tasman-geo.com

www.tasman-geo.com



Appendix B – Depth to Groundwater Information



(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

Average Depth to Water: **64 feet**
Minimum Depth: **64 feet**
Maximum Depth: **64 feet**

UTMNAD83 Radius Search (in meters):

Radius: 1700

2/13/23 8:50 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Appendix C – Manifests

RC Code: _____
 Project: _____
 Line: _____
 PO#: 0000545457

dcp
Midstream

WASTE MANIFEST

Shipping Point	Ship to Location:
Line Number: 5293 North Booster Line Leak	Lea Land
	Shipping Date: 02/20/2023

Quantity	Size	Description of Waste	Weight or Volume
2	13	Contaminated Soil	24 yds

Shipping Instructions: Company Man Lynn Hyman

This is to certify that the above named materials are properly classified, described, packaged and are in proper condition for transportation and disposal to the applicable regulations.

Company Name	Print Name and Contact information	Signature required	Date:
Generator: DCP Midstream	Employee: Janice Hyman 1625 W Marland Hobbs, NM. 575-397-5560	Employee: <i>Janice Hyman</i>	Date:
Transporter: 364 DS Truck Services	Driver: <i>Gabby Chavira</i>	Driver: <i>Gabby Chavira</i>	Date: 02/20/2023
Contact information: Kyle Norman	Phone: 575-318-5017	Phone:	
Receiver: <i>[Signature]</i>	Representative:	Representative:	Date: 2/20/23

Initials: _____ Date Returned: ____/____/2022

Please Return Copy of Completed Form and Disposal Ticket to: DCP Midstream

FILE: 4.1.5

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFESTNO **174698**

1. PAGE ___ OF ___

2. TRAILER NO. **324**G
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O
R**3. COMPANY NAME**

LEA LAND, LLC

PHONE NO.

(405) 236-4257

4. ADDRESS

10 West Drive Suite 100 W

CITY

Midland

STATE

TX

ZIP

79705

5. PICK-UP DATE

7/20/2023

6. TNRCC I.D. NO.**7. NAME OR DESCRIPTION OF WASTE SHIPPED:**

a. Non-hazardous, Non-flammable waste

b.

c.

d. **34400, 27520****8. CONTAINERS**
No. Type**9. TOTAL QUANTITY****10. UNIT Wt/Vol.****11. TEXAS WASTE ID #****12. COMMENTS OR SPECIAL INSTRUCTIONS:**

FOR INFORMATION OF DESTROYER LEA LAND

13. WASTE PROFILE NO.**14. IN CASE OF EMERGENCY OR SPILL, CONTACT****NAME**

JOE CUNYME

PHONE NO

575-887-4048

24-HOUR EMERGENCY NO.**15. GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC**PRINTED/TYPED NAME**

JOE CUNYME

SIGNATURE**DATE**T
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S**16. TRANSPORTER (1)****NAME:**

TERRA CO SERVICES

TEXAS I.D. NO.**IN CASE OF EMERGENCY CONTACT:**

575-887-4048

EMERGENCY PHONE:

575-887-4048

18. TRANSPORTER (1): Acknowledgment of receipt of material**PRINTED/TYPED NAME**

Cathy Channing

SIGNATURE

X Cathy Channing

DATE

7/20/2023

17. TRANSPORTER (2)**NAME:****TEXAS I.D. NO.****IN CASE OF EMERGENCY CONTACT:****EMERGENCY PHONE:****19. TRANSPORTER (2): Acknowledgment of receipt of material****PRINTED/TYPED NAME****SIGNATURE****DATE**D
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Lea Land, LLC

ADDRESS:Mile Marker 64, U.S. Hwy 62/180,
30 Miles East of Carlsbad, NM**PHONE:**

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS**21. DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.**AUTHORIZED SIGNATURE**

[Signature]

CELL NO.

3-A

DATE

7/20/2023

TIME

11:00

RC Code: _____
 Project: _____
 Line: _____
 PO#: 0000545457

dcp
Midstream

WASTE MANIFEST

Shipping Point	Ship to Location:
Line Number: 5293 North Booster Line Leak	Lea Land
	Shipping Date: 2/21/2023

Quantity	Size	Description of Waste	Weight or Volume
3	12 yds	Contaminated Soil	36 yds

Shipping Instructions: Company Man Lynn Hyman

This is to certify that the above named materials are properly classified, described, packaged and are in proper condition for transportation and disposal to the applicable regulations.

Company Name	Print Name and Contact information	Signature required	Date:
Generator: DCP Midstream	Employee: Janice Hyman 1625 W Marland Hobbs, NM. 575-397-5560	Employee: Janice Hyman	Date:
Transporter: 364 BJ Truck Services	Driver: Gabby Chavira	Driver: Gabby Chavira	Date: 2/21/2023
Contact information: Kyle Norman	Phone: 575-318-5017	Phone:	
Receiver: Naressa Vasquez	Representative:	Representative:	Date: 2/21/23

Initials: _____ Date Returned: _____ / _____ /2022

* Please Return Copy of Completed Form and Disposal Ticket to: DCP Midstream

FILE: 4.1.5

RC Code: _____
 Project: _____
 Line: _____
 PO# 0000545457

dcp
Midstream

WASTE MANIFEST

Shipping Point	Ship to Location:
Line Number: 5293 North Booster Line Leak	LEH Land
	Shipping Date: 2-21-23

Quantity	Size	Description of Waste	Weight or Volume
3	12	Contaminated Soil	36

Shipping Instructions: Company Man Lynn Hyman

This is to certify that the above named materials are properly classified, described, packaged and are in proper condition for transportation and disposal to the applicable regulations.

Company Name	Print Name and Contact information	Signature required	Date:
Generator: DCP Midstream	Employee: Janice Hyman 1625 W Marland Hobbs, NM. 575-397-5560	Employee: <i>Janice Hyman</i>	Date:
Transporter: JTS Trucking	Driver: <i>Jesus Sepulveda</i>	Driver: <i>Jesus Sepulveda</i>	Date: 2-21-23
Contact information: Kyle Norman	Phone: 575-318-5017	Phone:	
Receiver: <i>Vanessa Kope</i>	Representative:	Representative:	Date 2/21/23

Initials: _____ Date Returned: ____/____/2022

Please Return Copy of Completed Form and Disposal Ticket to: DCP Midstream

FILE: 4.1.5

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFESTNO **174792**

1. PAGE ___ OF ___

2. TRAILER NO. _____

G E N E R A T O R	3. COMPANY NAME PHONE NO. 505-300-3001		4. ADDRESS 1300 WEST MAIN STREET CITY OKLAHOMA CITY STATE OK ZIP 73106		5. PICK-UP DATE 8/15/2024	
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS No. Type		9. TOTAL QUANTITY	10. UNIT Wt/Vol.
	a. Non-Regulated Non-Hazardous Waste					
	b.					
	c.					
R E C E I V E R	d. 24580 24970					
	12. COMMENTS OR SPECIAL INSTRUCTIONS: WASTE FROM LEA LAND, LLC				13. WASTE PROFILE NO.	
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT					
	NAME LEA LAND, LLC		PHONE NO. 505-300-3001		24-HOUR EMERGENCY NO.	
	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC					
T R A N S P O R T E R S	PRINTED/TYPED NAME LEA LAND, LLC		SIGNATURE		DATE	
	16. TRANSPORTER (1) NAME: TALLMAN PRO SERVICES TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: (505) 510-5017 EMERGENCY PHONE:		17. TRANSPORTER (2) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:			
	18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME Kelly Channing SIGNATURE Kelly Channing DATE 8/15/2024		19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME SIGNATURE DATE			
D I S P O S I T O R Y	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048	
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS			
	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
	AUTHORIZED SIGNATURE C. N. O. V. G. J.		CELL NO.		DATE	TIME

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFESTNO **174793**

1. PAGE ___ OF ___

2. TRAILER NO.

G E N E R A T O R	3. COMPANY NAME PHONE NO.		4. ADDRESS CITY STATE ZIP		5. PICK-UP DATE		6. TNRCC I.D. NO.	
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:				8. CONTAINERS No. Type		9. TOTAL QUANTITY	
	a. Non-Regulated, Non-Hazardous Waste							
	b.							
R E C E I V E R	c.							
	d.							
	12. COMMENTS OR SPECIAL INSTRUCTIONS:						13. WASTE PROFILE NO.	
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT							
T R A N S P O R T E R S	NAME		PHONE NO.		24-HOUR EMERGENCY NO.			
	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC							
	PRINTED/TYPED NAME				SIGNATURE			
	DATE				DATE			
T R A N S P O R T E R S	16. TRANSPORTER (1)				17. TRANSPORTER (2)			
	NAME:				NAME:			
	TEXAS I.D. NO.				TEXAS I.D. NO.			
	IN CASE OF EMERGENCY CONTACT:				IN CASE OF EMERGENCY CONTACT:			
D I S P O S I T O R Y	EMERGENCY PHONE:				EMERGENCY PHONE:			
	18. TRANSPORTER (1): Acknowledgment of receipt of material				19. TRANSPORTER (2): Acknowledgment of receipt of material			
	PRINTED/TYPED NAME				PRINTED/TYPED NAME			
	SIGNATURE				SIGNATURE			
D I S P O S I T O R Y	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048			
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS					
	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.							
	AUTHORIZED SIGNATURE				CELL NO.		DATE	
L A N D							TIME	

RC Code: _____
 Project: _____
 Line: _____
 PO# 0000 5454 57

dcp
Midstream

WASTE MANIFEST

Shipping Point	Ship to Location:
Line Number: 5293 North Booster Line Leak	Lea Land
	Shipping Date: 2/22/2023

Quantity	Size	Description of Waste	Weight or Volume
3	12 yds	Contaminated Soil	36 yds

Shipping Instructions: Company Man Lynn Hyman

This is to certify that the above named materials are properly classified, described, packaged and are in proper condition for transportation and disposal to the applicable regulations.

Company Name	Print Name and Contact information	Signature required	Date:
Generator: DCP Midstream	Employee: Janice Hyman 1625 W Marland Hobbs, NM. 575-397-5560	Employee: Janice Hyman	Date:
Transporter: 364 DJ Truck Service	Driver: Gabby Chavira	Driver: Gabby Chavira	Date: 2/22/2023
Contact information: Kyle Norman	Phone: 575-318-5017	Phone:	
Receiver: Vanessa Vasquez	Representative:	Representative:	Date: 2/22/23

Initials: _____ Date Returned: ____/____/2022

Please Return Copy of Completed Form and Disposal Ticket to: DCP Midstream

FILE: 4.1.5

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFESTNO **174883**

1. PAGE ___ OF ___

2. TRAILER NO. _____

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R**3. COMPANY NAME**

PHONE NO. _____

4. ADDRESS

CITY _____

STATE _____

ZIP _____

5. PICK-UP DATE**6. TNRCC I.D. NO.****7. NAME OR DESCRIPTION OF WASTE SHIPPED:****8. CONTAINERS**

No. _____

Type _____

9. TOTAL

QUANTITY _____

10. UNIT

Wt/Vol. _____

11. TEXAS

WASTE ID # _____

12. COMMENTS OR SPECIAL INSTRUCTIONS:**13. WASTE PROFILE NO.****14.****IN CASE OF EMERGENCY OR SPILL, CONTACT**

NAME _____

PHONE NO. _____

24-HOUR EMERGENCY NO. _____

15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME _____

SIGNATURE _____

DATE _____

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S**16. TRANSPORTER (1)**

NAME: _____

TEXAS I.D. NO. _____

IN CASE OF EMERGENCY CONTACT: _____

EMERGENCY PHONE: _____

17. TRANSPORTER (2)

NAME: _____

TEXAS I.D. NO. _____

IN CASE OF EMERGENCY CONTACT: _____

EMERGENCY PHONE: _____

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME _____

SIGNATURE _____

DATE _____

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME _____

SIGNATURE _____

DATE _____

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Lea Land, LLC

ADDRESS:Mile Marker 64, U.S. Hwy 62/180,
30 Miles East of Carlsbad, NM**PHONE:**

575-887-4048

PERMIT NO. _____

WM-01-035 - New Mexico

20. COMMENTS _____

21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE _____

CELL NO. _____

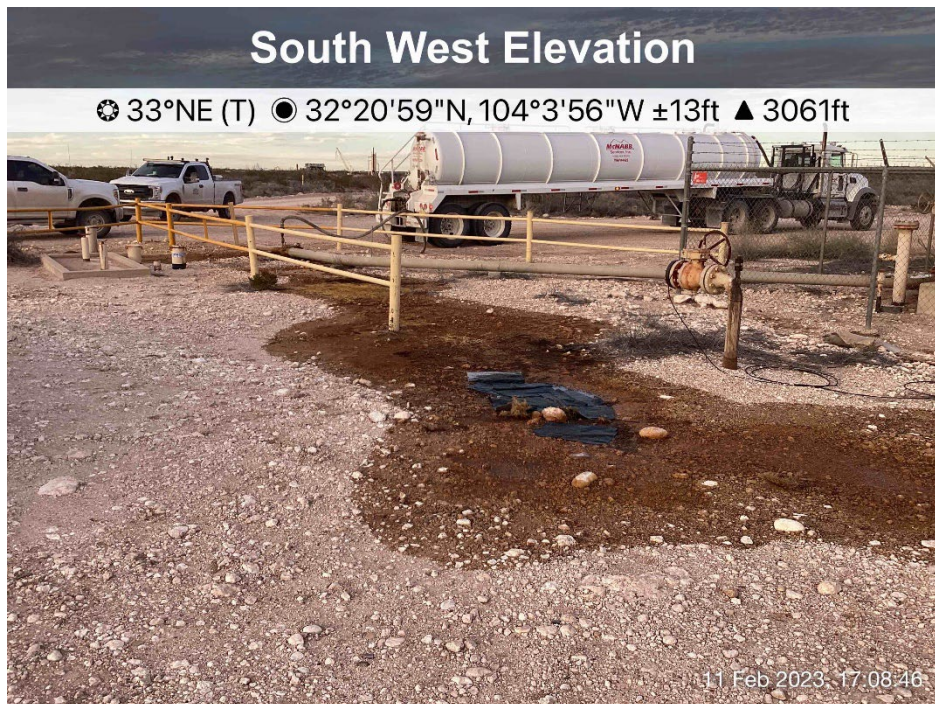
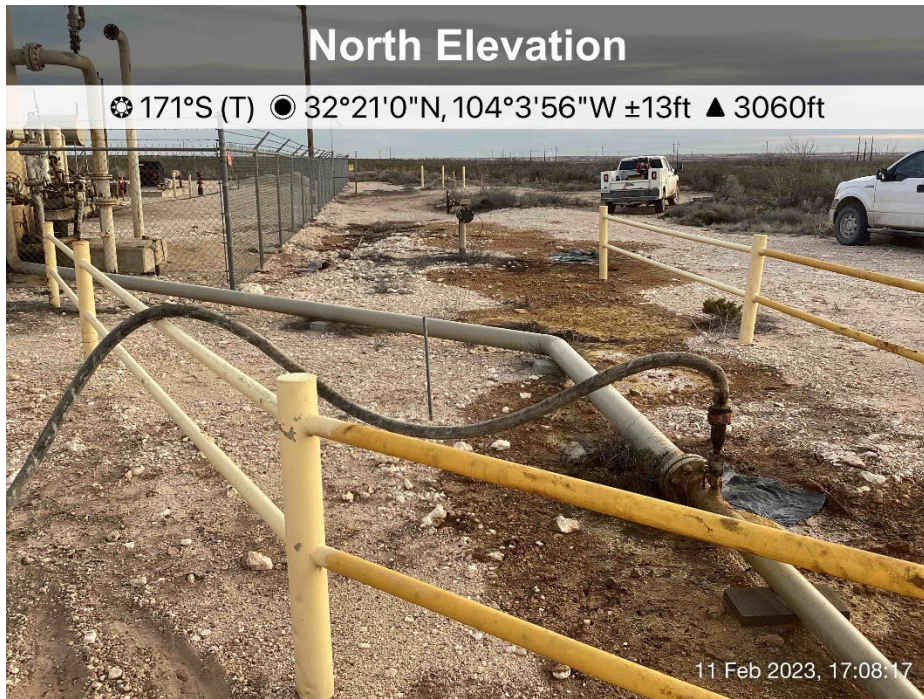
DATE _____

TIME _____

Appendix D – Photographic Log

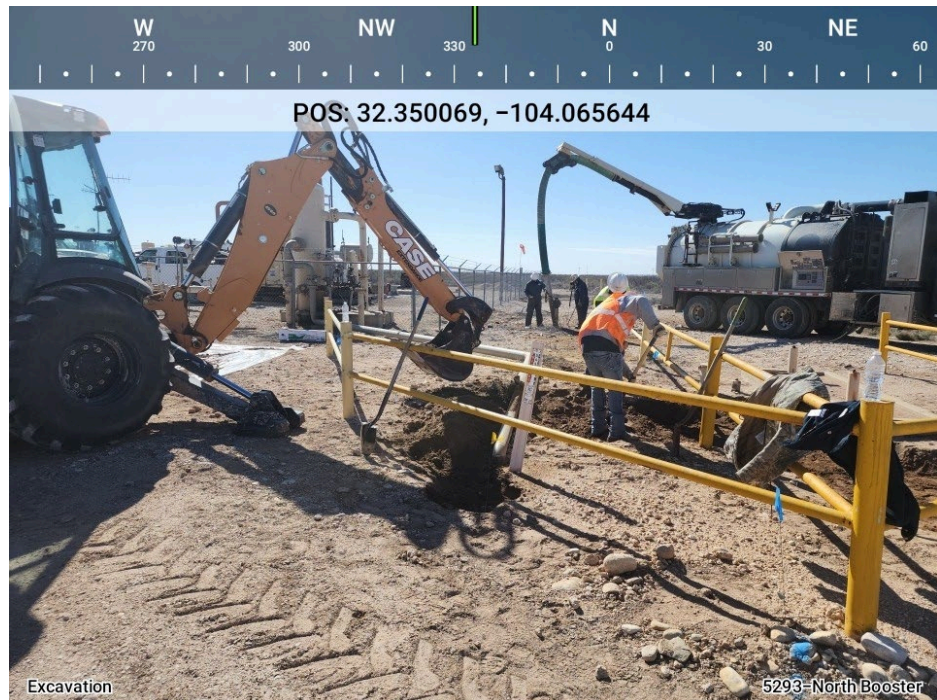
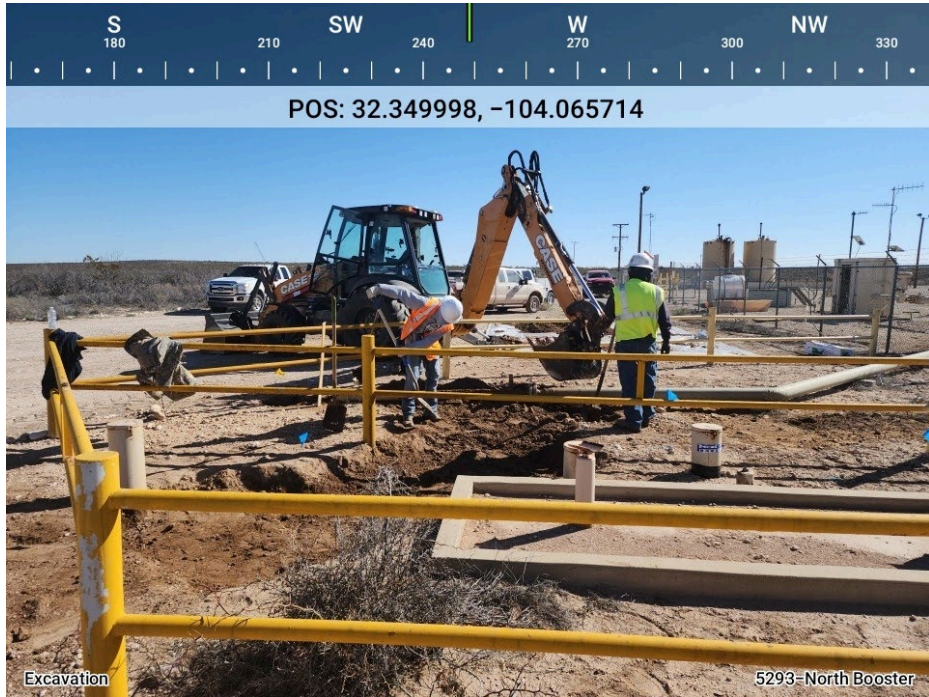
DCP Midstream

North Booster Line Leak – nAPP2304431462



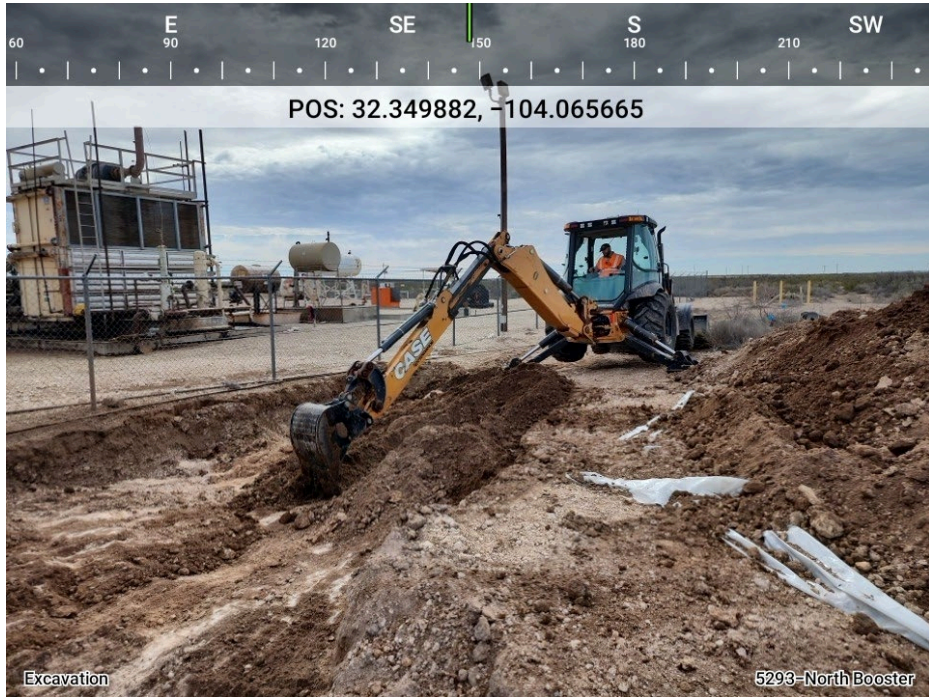
DCP Midstream

North Booster Line Leak – nAPP2304431462



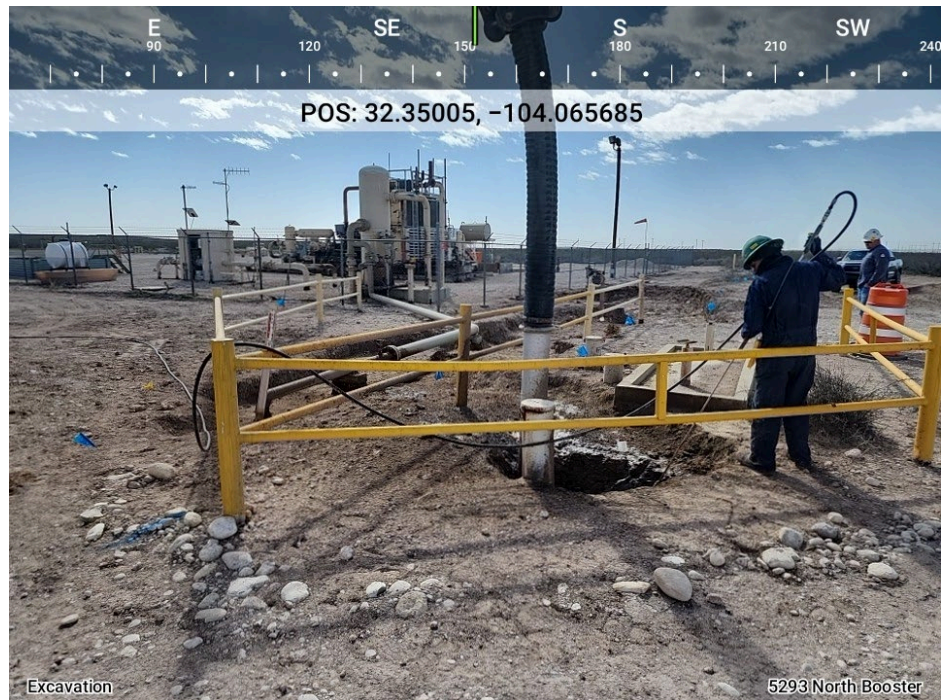
DCP Midstream

North Booster Line Leak – nAPP2304431462



DCP Midstream

North Booster Line Leak – nAPP2304431462



DCP Midstream

North Booster Line Leak – nAPP2304431462



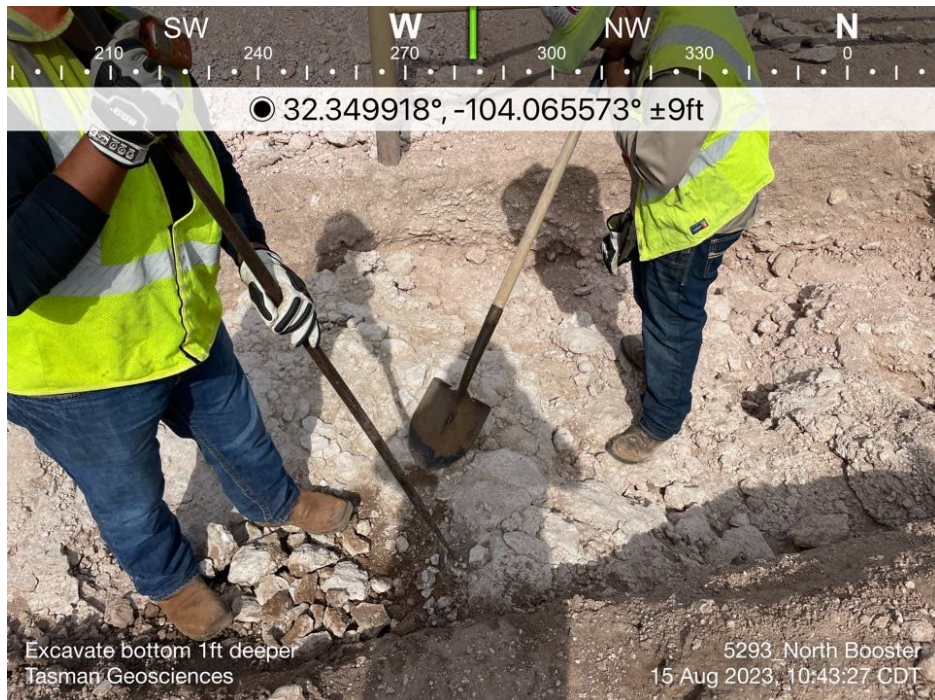
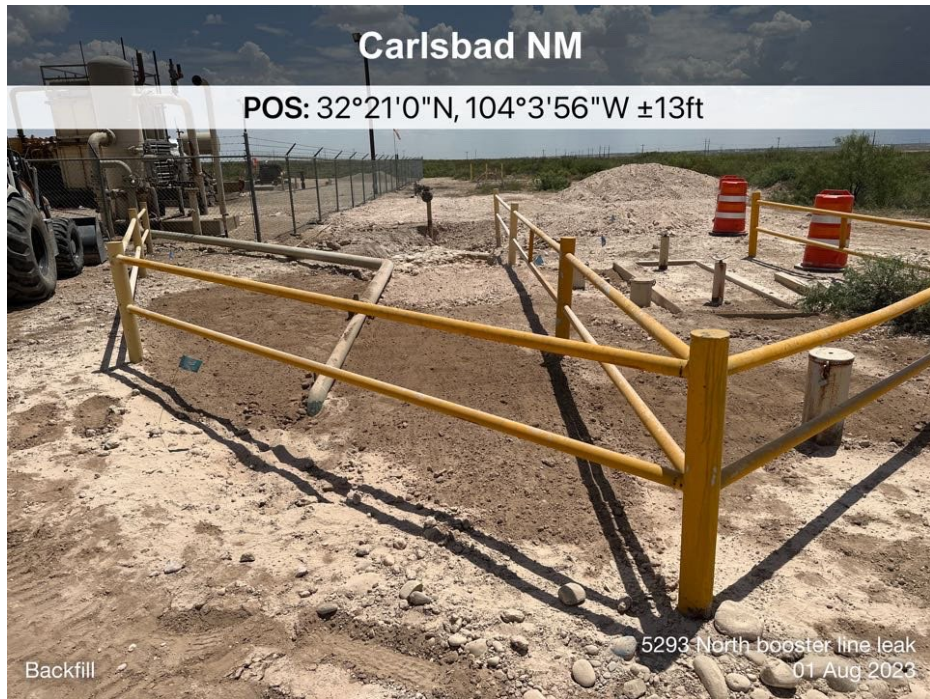
DCP Midstream

North Booster Line Leak – nAPP2304431462



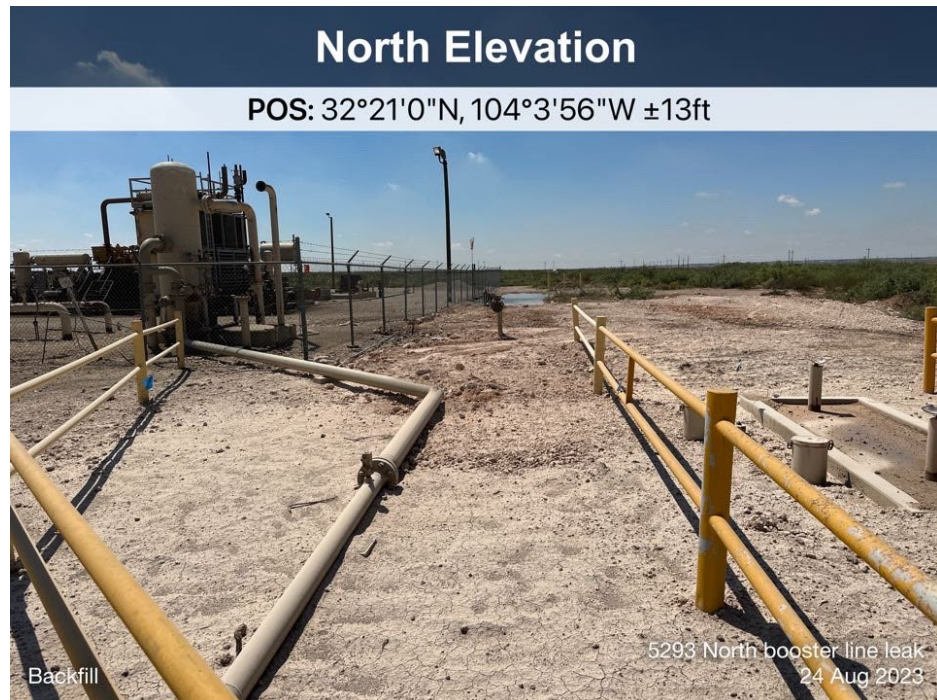
DCP Midstream

North Booster Line Leak – nAPP2304431462



DCP Midstream

North Booster Line Leak – nAPP2304431462



Appendix E – Certified Laboratory Analytical Report



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

July 18, 2023

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 5293_NORTH_BOOSTER LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 07/17/23 13:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/17/2023	Sampling Date:	07/17/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	5293_NORTH_BOOSTER LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: W - 1 (H233676-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	0.578	
Toluene*	<0.050	0.050	07/17/2023	ND	2.10	105	2.00	0.758	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.06	103	2.00	0.160	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.23	104	6.00	0.0872	
Total BTX	<0.300	0.300	07/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	80.0	16.0	07/18/2023	ND	448	112	400	0.00	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2023	ND	171	85.7	200	5.67	
DRO >C10-C28*	<10.0	10.0	07/17/2023	ND	171	85.3	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/18/2023
 Project Name: 5293_NORTH_BOOSTER LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 2 (H233676-02)

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	0.578	
Toluene*	<0.050	0.050	07/17/2023	ND	2.10	105	2.00	0.758	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.06	103	2.00	0.160	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.23	104	6.00	0.0872	
Total BTEX	<0.300	0.300	07/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/18/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2023	ND	171	85.7	200	5.67	
DRO >C10-C28*	<10.0	10.0	07/17/2023	ND	171	85.3	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					

Surrogate: 1-Chlorooctane 65.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/18/2023
 Project Name: 5293_NORTH_BOOSTER LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 3 (H233676-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	0.578	
Toluene*	<0.050	0.050	07/17/2023	ND	2.10	105	2.00	0.758	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.06	103	2.00	0.160	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.23	104	6.00	0.0872	
Total BTX	<0.300	0.300	07/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	07/18/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2023	ND	171	85.7	200	5.67	
DRO >C10-C28*	85.1	10.0	07/17/2023	ND	171	85.3	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/18/2023
 Project Name: 5293_NORTH_BOOSTER LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 4 (H233676-04)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	0.578	
Toluene*	<0.050	0.050	07/17/2023	ND	2.10	105	2.00	0.758	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.06	103	2.00	0.160	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.23	104	6.00	0.0872	
Total BTX	<0.300	0.300	07/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	384	16.0	07/18/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2023	ND	171	85.7	200	5.67	
DRO >C10-C28*	20.5	10.0	07/17/2023	ND	171	85.3	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					

Surrogate: 1-Chlorooctane 67.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/18/2023
 Project Name: 5293_NORTH_BOOSTER LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 5 (H233676-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	0.578	
Toluene*	<0.050	0.050	07/17/2023	ND	2.10	105	2.00	0.758	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.06	103	2.00	0.160	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.23	104	6.00	0.0872	
Total BTEx	<0.300	0.300	07/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	07/18/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	171	85.7	200	5.67	
DRO >C10-C28*	26.4	10.0	07/18/2023	ND	171	85.3	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/18/2023
 Project Name: 5293_NORTH_BOOSTER LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 6 (H233676-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	0.578	
Toluene*	<0.050	0.050	07/17/2023	ND	2.10	105	2.00	0.758	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.06	103	2.00	0.160	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.23	104	6.00	0.0872	
Total BTEX	<0.300	0.300	07/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/18/2023	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	07/18/2023	ND	171	85.7	200	5.67	
DRO >C10-C28*	29.0	10.0	07/18/2023	ND	171	85.3	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/18/2023
 Project Name: 5293_NORTH_BOOSTER LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL - 1 @ 2.5' (H233676-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	0.578		
Toluene*	<0.050	0.050	07/17/2023	ND	2.10	105	2.00	0.758		
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.06	103	2.00	0.160		
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.23	104	6.00	0.0872		
Total BTEx	<0.300	0.300	07/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	80.0	16.0	07/18/2023	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	07/18/2023	ND	171	85.7	200	5.67	
DRO >C10-C28*	189	10.0	07/18/2023	ND	171	85.3	200	5.37	
EXT DRO >C28-C36	23.7	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/18/2023
 Project Name: 5293_NORTH_BOOSTER LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL - 2 @ 1' (H233676-08)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	0.578	
Toluene*	<0.050	0.050	07/17/2023	ND	2.10	105	2.00	0.758	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.06	103	2.00	0.160	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.23	104	6.00	0.0872	
Total BTX	<0.300	0.300	07/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	320	16.0	07/18/2023	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	07/18/2023	ND	171	85.7	200	5.67	
DRO >C10-C28*	22.1	10.0	07/18/2023	ND	171	85.3	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 66.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/18/2023
 Project Name: 5293_NORTH_BOOSTER LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL - 3 @ 1' (H233676-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	0.578	
Toluene*	<0.050	0.050	07/17/2023	ND	2.10	105	2.00	0.758	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.06	103	2.00	0.160	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.23	104	6.00	0.0872	
Total BTEX	<0.300	0.300	07/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	07/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	171	85.7	200	5.67	
DRO >C10-C28*	2840	10.0	07/18/2023	ND	171	85.3	200	5.37	
EXT DRO >C28-C36	832	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 76.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 200 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/18/2023
 Project Name: 5293_NORTH_BOOSTER LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL - 4 @ 1' (H233676-10)

BTEx 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	0.578		
Toluene*	<0.050	0.050	07/17/2023	ND	2.10	105	2.00	0.758		
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.06	103	2.00	0.160		
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.23	104	6.00	0.0872		
Total BTEX	<0.300	0.300	07/17/2023	ND						

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

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12900	16.0	07/18/2023	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	07/18/2023	ND	171	85.7	200	5.67		
DRO >C10-C28*	242	10.0	07/18/2023	ND	171	85.3	200	5.37		
EXT DRO >C28-C36	68.4	10.0	07/18/2023	ND						

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/18/2023
 Project Name: 5293_NORTH_BOOSTER LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL - 5 @ 3.25' (H233676-11)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	0.578		
Toluene*	<0.050	0.050	07/17/2023	ND	2.10	105	2.00	0.758		
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.06	103	2.00	0.160		
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.23	104	6.00	0.0872		
Total BTX	<0.300	0.300	07/17/2023	ND						

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

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/18/2023	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	07/18/2023	ND	171	85.7	200	5.67		
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	171	85.3	200	5.37		
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND						

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/18/2023
 Project Name: 5293_NORTH_BOOSTER LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL - 6 @ 2' (H233676-12)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	0.578		
Toluene*	<0.050	0.050	07/17/2023	ND	2.10	105	2.00	0.758		
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.06	103	2.00	0.160		
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.23	104	6.00	0.0872		
Total BTX	<0.300	0.300	07/17/2023	ND						

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

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/18/2023	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	07/18/2023	ND	171	85.7	200	5.67		
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	171	85.3	200	5.37		
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND						

Surrogate: 1-Chlorooctane 87.1 % 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:	07/17/2023	Sampling Date:	07/17/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	5293_NORTH_BOOSTER LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: FL - 7 @ 2.5' (H233676-13)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	0.578		
Toluene*	<0.050	0.050	07/17/2023	ND	2.10	105	2.00	0.758		
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.06	103	2.00	0.160		
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.23	104	6.00	0.0872		
Total BTX	<0.300	0.300	07/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	144	16.0	07/18/2023	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	07/18/2023	ND	171	85.7	200	5.67		
DRO >C10-C28*	148	10.0	07/18/2023	ND	171	85.3	200	5.37		
EXT DRO >C28-C36	12.8	10.0	07/18/2023	ND						

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/18/2023
 Project Name: 5293_NORTH_BOOSTER LINE LEAK
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL - 8 @ 1.5' (H233676-14)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	0.578		
Toluene*	<0.050	0.050	07/17/2023	ND	2.10	105	2.00	0.758		
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.06	103	2.00	0.160		
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.23	104	6.00	0.0872		
Total BTEx	<0.300	0.300	07/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/18/2023	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	07/18/2023	ND	171	85.7	200	5.67	
DRO >C10-C28*	63.0	10.0	07/18/2023	ND	171	85.3	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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



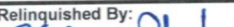


ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 		Date: 7/17/23		Received By: 		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:	
Time: 13:20						Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS: email results: knorman@tasman-geo.com; bdennis@tasman-geo.com; lflores@tasman-geo.com;			
		Time:							
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		3-U- #140		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) 			

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



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

August 16, 2023

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 5293_NORTH_BOOSTER LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 08/15/23 13:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	5293_NORTH_BOOSTER LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: FL - 3 @ 2' (H234394-01)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.36	
Toluene*	<0.050	0.050	08/16/2023	ND	2.02	101	2.00	1.82	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.93	96.6	2.00	2.80	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	3.74	
Total BTEx	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	21600	16.0	08/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	1220	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	277	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 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:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	5293_NORTH_BOOSTER LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: FL - 4 @ 3' (H234394-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.36	
Toluene*	<0.050	0.050	08/16/2023	ND	2.02	101	2.00	1.82	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.93	96.6	2.00	2.80	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	3.74	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	200	99.9	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	225	112	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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August 22, 2023

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 5293 NORTH BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 08/21/23 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/21/2023
 Reported: 08/22/2023
 Project Name: 5293 NORTH BOOSTER
 Project Number: 5293
 Project Location: NONE GIVEN

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 3 @ 4' (H234533-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.95	97.6	2.00	1.28	
Toluene*	<0.050	0.050	08/22/2023	ND	2.15	107	2.00	3.07	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	2.20	110	2.00	3.92	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	6.65	111	6.00	4.05	
Total BTX	<0.300	0.300	08/22/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/22/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2023	ND	159	79.7	200	6.41	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	176	88.1	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 65.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.6 % 49.1-148

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

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State of New Mexico
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Oil Conservation Division
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QUESTIONS
Action 374009

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 374009
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2304431462
Incident Name	NAPP2304431462 NORTH BOOSTER LINE @ 0
Incident Type	Natural Gas Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	NORTH BOOSTER LINE
Date Release Discovered	02/11/2023
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Natural Gas Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Condensate Released: 10 BBL Recovered: 1 BBL Lost: 9 BBL.
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 374009

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID:	36785
	Action Number:	374009
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Nick Case Title: Environmental Email: Nicholas.L.Case@P66.com Date: 08/15/2024
--	---

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QUESTIONS, Page 3

Action 374009

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 374009
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	21600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	3672
GRO+DRO (EPA SW-846 Method 8015M)	2840
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	02/16/2023
On what date will (or did) the final sampling or liner inspection occur	07/17/2023
On what date will (or was) the remediation complete(d)	08/18/2023
What is the estimated surface area (in square feet) that will be reclaimed	38681
What is the estimated volume (in cubic yards) that will be reclaimed	1432
What is the estimated surface area (in square feet) that will be remediated	38681
What is the estimated volume (in cubic yards) that will be remediated	1432
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4
Action 374009

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID:	36785
	Action Number:	374009
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Nick Case Title: Environmental Email: Nicholas.L.Case@P66.com Date: 08/15/2024
<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 374009

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 374009
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

District I

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Phone:(575) 393-6161 Fax:(575) 393-0720

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QUESTIONS, Page 6

Action 374009

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID:	36785
	Action Number:	374009
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	374050
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/12/2023
What was the (estimated) number of samples that were to be gathered	14
What was the sampling surface area in square feet	200

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1485
What was the total volume (cubic yards) remediated	192
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1600
What was the total volume (in cubic yards) reclaimed	192
Summarize any additional remediation activities not included by answers (above)	N/A

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Nick Case Title: Environmental Email: Nicholas.L.Case@P66.com Date: 08/15/2024
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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 7

Action 374009

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 374009
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 374009

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 374009
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2304431462 NORTH BOOSTER LINE, thank you. This Remediation Closure Report is approved.	9/9/2024