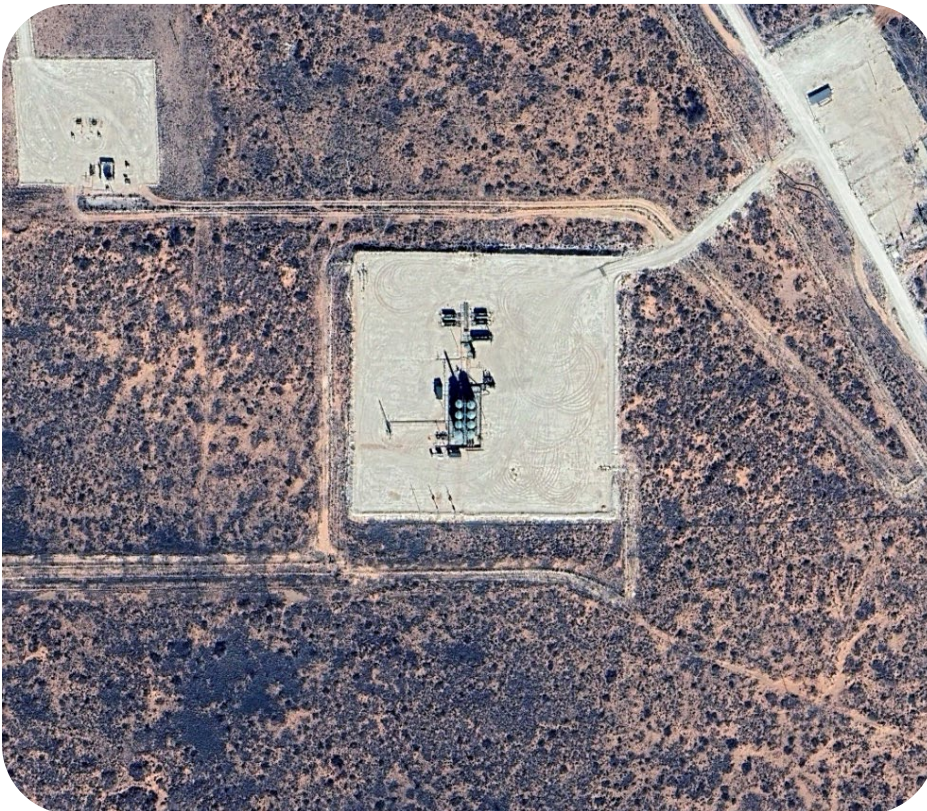


# GRUMPY CAT 15 CTB 2

## Remediation Summary & Closure Report

NMOCD Incident No. nAPP2113044711  
UL "C", Sec. 15, T23S, R32E  
32.308815, -103.66394  
Lea County, New Mexico

September 16, 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



September 16, 2024

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

Attn: Mr. Nicholas Case  
Email: [nicholas.L.case@p66.com](mailto:nicholas.L.case@p66.com)

Re: Remediation Summary & Closure Report  
Grumpy Cat 15 CTB 2  
UL "C", Section 15, Township 23 South, Range 32 East | Lea County, New Mexico  
NMOCD Incident No. nAPP2113044711  
DCP Leak No. Unassigned | Tasman Project No. 3089

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 produced water to the environment.

Tasman conducted initial assessment activities, identifying an approximately 2,800 square foot area that had been impacted by the produced water release. Heavy equipment was used to remove approximately 768 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  
Project Manager  
[bdennis@tasman-geo.com](mailto:bdennis@tasman-geo.com)

Kyle Norman  
SW Regional Manager  
[knorman@tasman-geo.com](mailto:knorman@tasman-geo.com)

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### Appendix B – Depth to Groundwater Information

### Appendix C – Photographic Log

### Appendix D – Certified Laboratory Analytical Report



## 1.0 INTRODUCTION

Tasman, Inc. (Tasman) is pleased to submit this Remediation Summary and Closure Report for the Grumpy Cat 15 CTB 2 (site) on behalf of DCP Operating Company, LP (DCP), documenting the results of field activities conducted in response to a release of produced water to environmental media.

### 1.1 Site Description

The site is located in Unit Letter "C" of Section 15, Township 23 South, Range 32 East in Lea County, New Mexico. The release occurred from the Grumpy Cat 15 CTB 2 steel produced water pipeline. The release occurred on Bureau of Land Management (BLM) property.

### 1.2 Release Detail and Initial Response

On May 3, 2021, the Grumpy Cat 15 CTB 2 pipeline was discovered by DCP personnel to have failed. On May 4, 2021, DCP provided notice of the release to the District Manager for New Mexico Oil Conservation District (NMOCD) by phone. The release resulted in the loss of approximately 17 barrels (bbls) of produced water to the surrounding environmental media. DCP personnel shut in the pipeline to isolate the release. On May 10, 2021, a Notification of Release (NOR) was submitted to the NMOCD via online portal. The line was later repaired and returned to service. No produced water was recovered. An initial C-141 was submitted to NMOCD on January 11, 2022. The BLM was notified of the release on August 3, 2021, via e-mail.

A copy of NMOCD notifications are provided in Appendix A.

## 2.0 SITE CHARACTERISTICS

### 2.1 Depth to Groundwater

Tasman reviewed available depth to groundwater information available through the New Mexico Office of the State Engineer (NMOSE) and the United States Geological Survey (USGS) for registered water wells within a half-mile radius of the site. Based on the available water well data, the closest well, USGS 321732104301701, is approximately 1.21 miles away with a depth to groundwater of approximately 478 feet below ground surface (bgs).

On January 25, 2023, one soil bore was drilled to a total depth of 103.25 feet (ft) below ground surface (bgs). After 48 hours, Tasman returned to the site to measure the installed bore for any



water accumulation. No groundwater was encountered. The bore hole was plugged with bentonite to ground surface.

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, measured on December 7, 1976, and identified as USGS 321732104301701. The well is located 1.21 miles from the site. The location of USGS 321732104301701 is shown on the attached Figure 1.

## **2.4 Distance to Nearest Surface Water**

Tasman reviewed aerial imagery and the National Wetland Inventory Map, published by the U.S. Fish and Wildlife Service, for wetlands and surface water in the vicinity of the site. The nearest wetland, freshwater pond, is approximately 1.32 miles from the site. The nearest significant surface water was identified as Dagger Lake, located 9.18 miles from the site. The location of the nearest surface water body can be seen on Figures 1 and 3.

## **2.5 100-year Floodplain**

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

## 2.6 Residence, School, Hospital, or Institution

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

## 2.7 Proximity to Sensitive Receptors and Site Characteristics Summary

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

Site Characteristics Summary		
Approximate depth to groundwater:	> 103 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 groundwater more than 100 feet were utilized; these Action Levels are as follows:

Constituent	Remediation Action Level
Chloride	20,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

TPH – total petroleum hydrocarbons

DRO – diesel range organics

BTEX – benzene, toluene, ethylbenzene, total xylenes

GRO – gasoline range organics

MRO – motor/lube oil range organics

mg/kg – milligrams per kilogram

## 3.1 Reclamation Levels

NMAC 19.15.29.13(D) codifies, and the *Procedures for Implementation of the Spill Rule*, dated

September 6, 2019, clarifies that the top four feet of the remediated area should be non-waste containing. Therefore, the NMOCD Reclamation Standards are applied to the top four feet of any area impacted by a release that is not located within an active production facility. NMOCD Reclamation Standards are as follows:

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

## 4.0 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

Between July 27 and August 6, 2021, Tasman utilized heavy equipment to excavate 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 96 feet long by 196 feet wide by 4.5 feet deep. A total of 768 cubic yards of excavated material was exported to Lea Land, LLC Landfill.

Copies of solid manifests can be provided upon request and a photographic log is provided in Appendix C.

## 5.2 Confirmation Data Evaluation

On August 3, 2021, Tasman provided a 48-hour mobilization notice to the BLM and NMOCD via email (Appendix A).

On August 6, 2021, Tasman mobilized to the site to collect confirmation soil samples from the base of the remedial excavation. A total of 25 confirmation soil samples were collected from the sidewalls and base of the excavation. Each confirmation soil sample was collected as a five-point composite representing approximately 200 square feet (ft<sup>2</sup>) or less.

Concentrations of benzene, BTEX and TPH were not detected greater than the applicable laboratory detection limits in each of the confirmation soil samples.

Concentrations of chlorides were detected above the laboratory detection limits, but below the NMOCD Action Level in each of the collected confirmation soil samples. Detected concentrations of chlorides ranged from 64.0 mg/kg to 1,800 mg/kg.

## 6.0 RESTORATION AND RECLAMATION

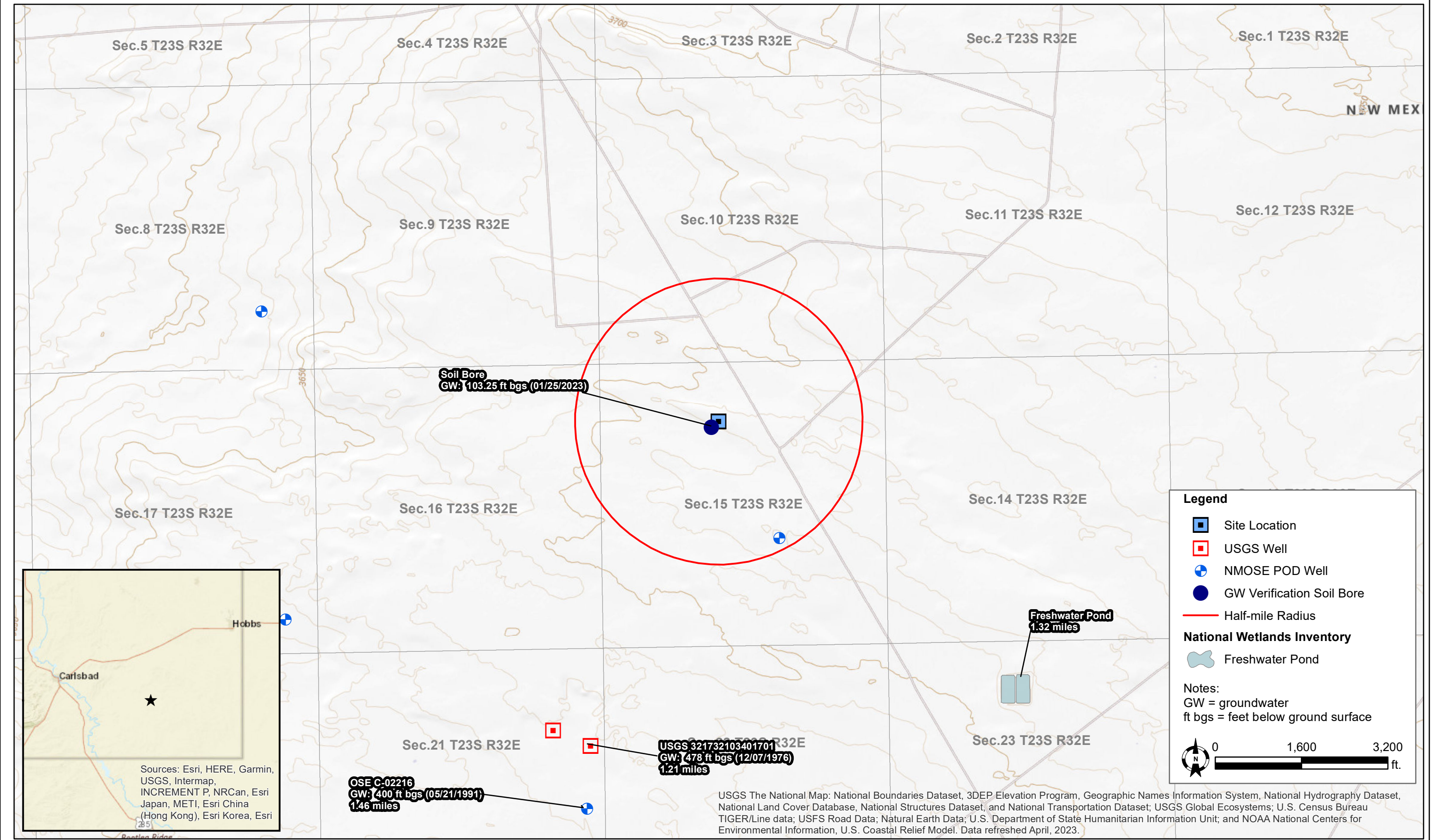
Areas affected by the release and associated remediation activities were restored to the condition which existed prior to the release to the maximum extent possible. Excavated areas were backfilled with non-impacted “like” material and contoured and/or compacted to achieve erosion control, stability, 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.

**FIGURES**





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



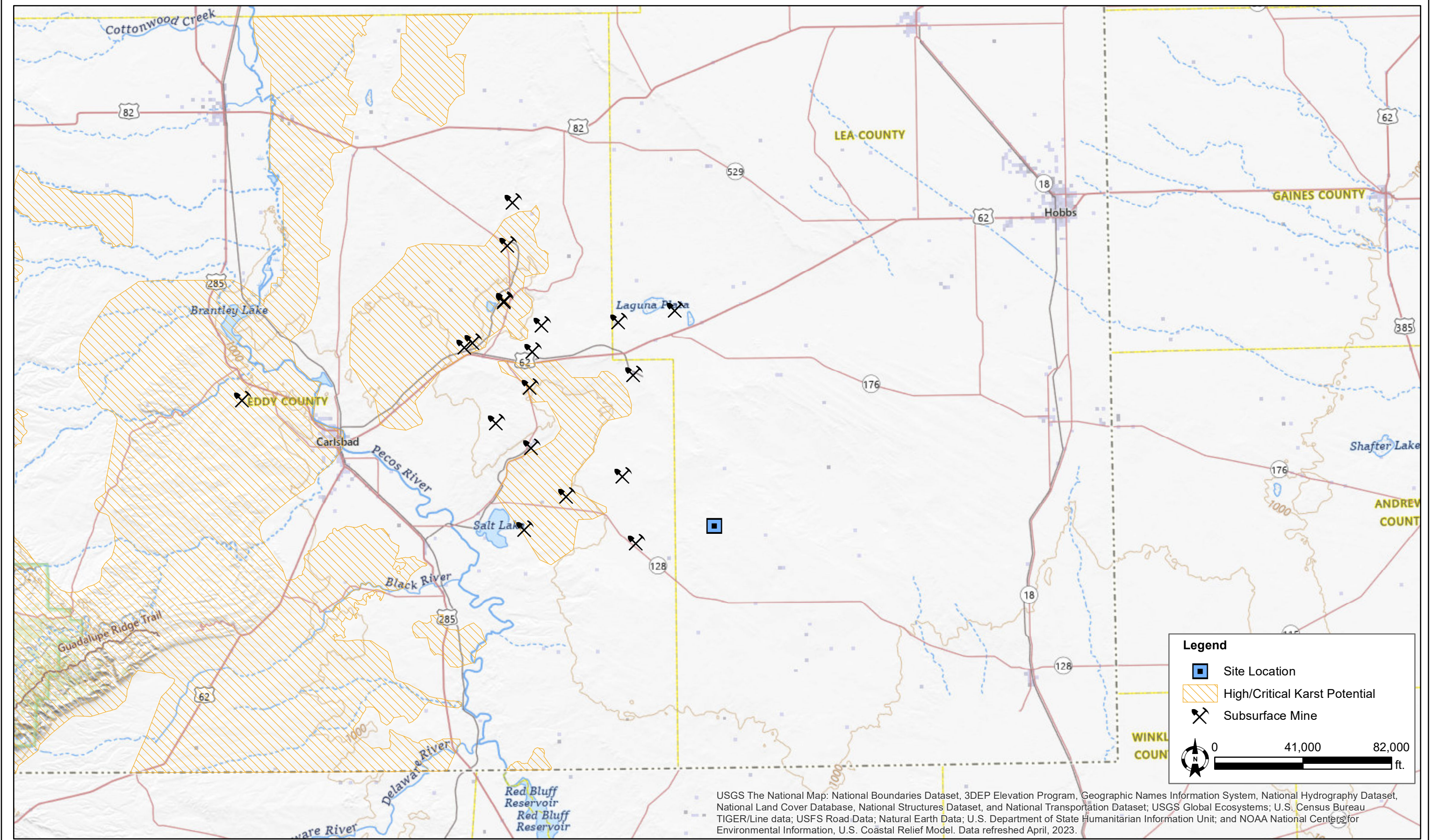
Tasman, Inc.  
6855 W. 119th Ave  
Broomfield, CO 80020

DCP Operating Company, LP  
Grumpy Cat 15 CTB 2  
UL "C", Sec. 15, T23S, R32E  
Lea County, New Mexico

Site Location & Groundwater  
Map

Figure  
1





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



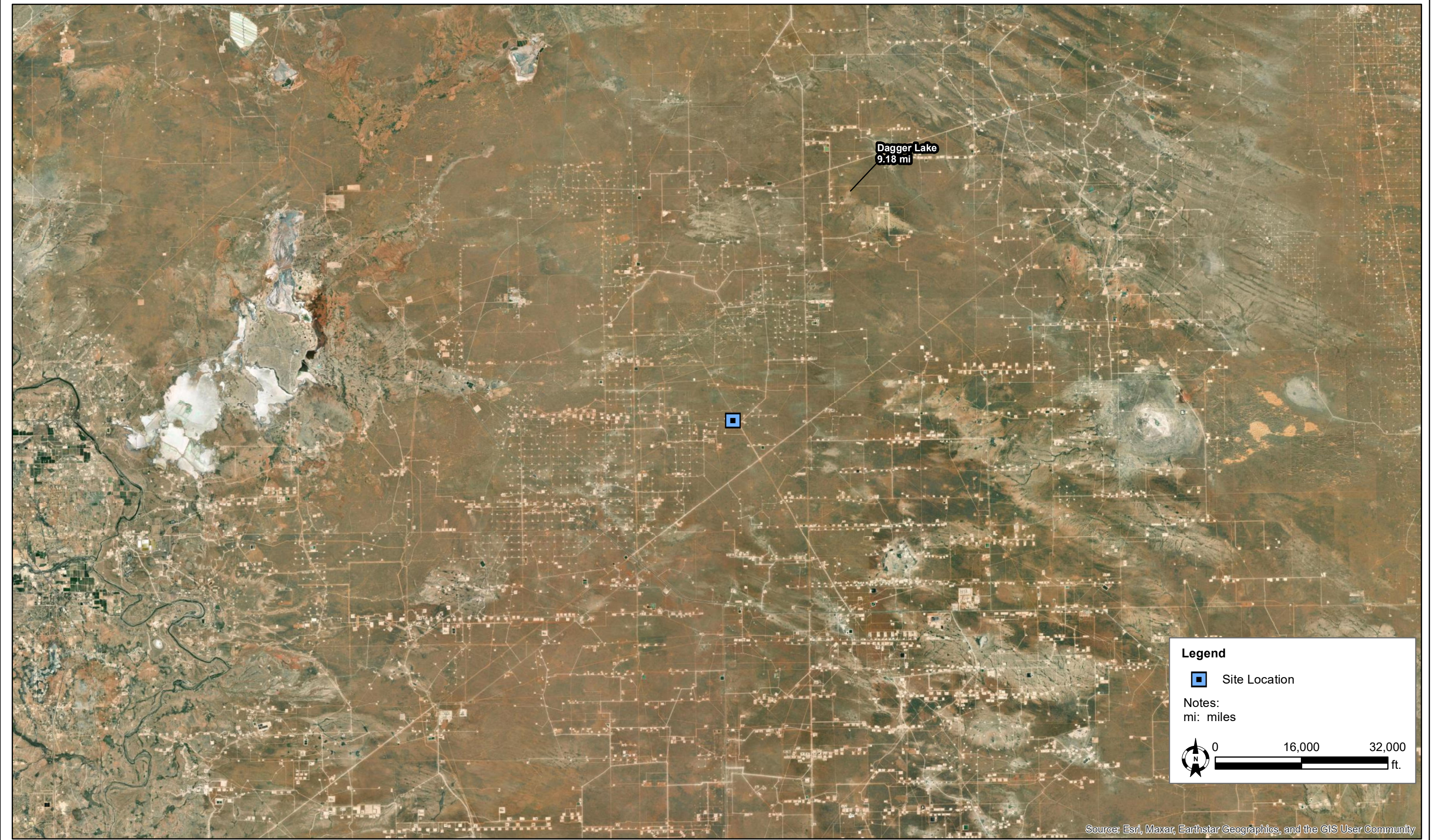
Tasman, Inc.  
6855 W. 119th Ave  
Broomfield, CO 80020

DCP Operating Company, LP  
Grumpy Cat 15 CTB 2  
UL "C", Sec. 15, T23S, R32E  
Lea County, New Mexico

Karst Potential & Subsurface  
Mine Map

Figure  
2





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



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

**DCP Operating Company, LP**  
**Grumpy Cat 15 CTB 2**  
UL “C”, Sec. 15, T23S, R32E  
Lea County, New Mexico

Surface Water Map

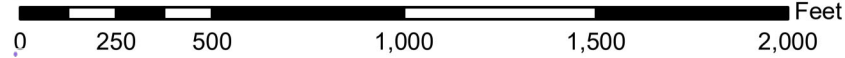
**Figure**  
**3**



# National Flood Hazard Layer FIRMMette



103°40'9"W 32°18'47"N



1:6,000

103°39'31"W 32°18'17"N

Basemap Imagery Source: USGS National Map 2023

### Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99	
		With BFE or Depth Zone AE, AO, AH, VE, AR	
		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 X	
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X	
		Effective LOMRs	
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D	
		Channel, Culvert, or Storm Sewer	
		Levee, Dike, or Floodwall	
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation	
OTHER FEATURES		17.5 Coastal Transect	
		Base Flood Elevation Line (BFE)	
		Limit of Study	
		Jurisdiction Boundary	
		Coastal Transect Baseline	
		Profile Baseline	
		Hydrographic Feature	
	MAP PANELS		Digital Data Available
			No Digital Data Available
			Unmapped

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

Figure 4

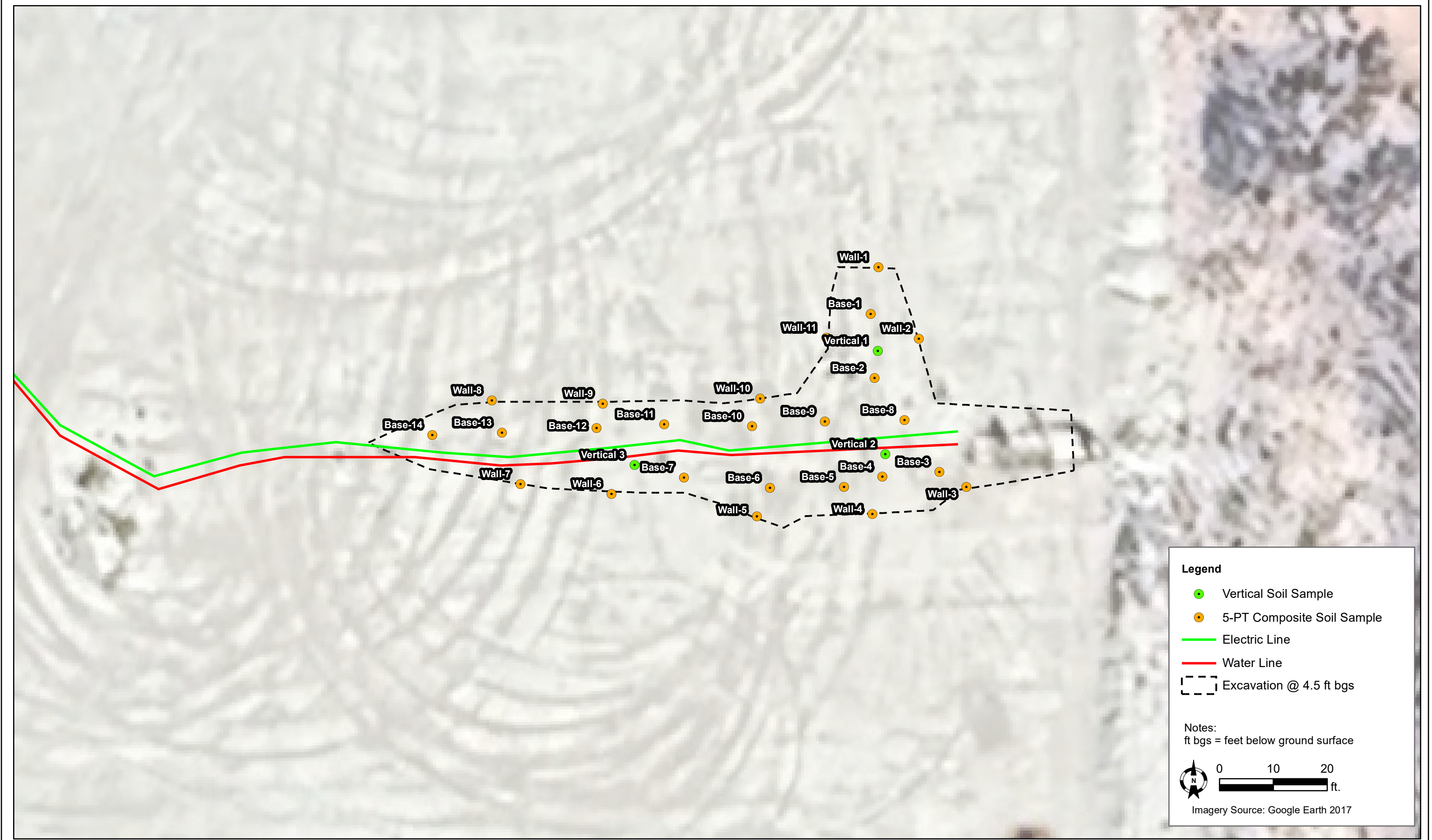
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/9/2024 at 6:44 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Released to Imaging: 12/10/2024 1:38:54 PM

Received by OCD: 9/16/2024 3:09:16 PM



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



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

DCP Operating Company, LP  
Grumpy Cat 15 CTB 2  
UL "C", Sec. 15, T23S, R32E  
Lea County, New Mexico

Excavation Overview Map

Figure  
5



**TABLE**

**TABLE 1**  
**SOIL ANALYTICAL SUMMARY**  
**DCP Operating Company, LP**  
**Grumpy Cat 15 CTB 2**

Sample ID	Sample Depth (bgs)	Sample Date	Soil Status	PID (ppm)	Field Chloride (mg/kg)	Benzene (mg/kg)	Total BTEX <sup>1</sup> (mg/kg)	TPH <sup>2</sup> (mg/kg)				Chloride <sup>3</sup> (mg/kg)
								GRO	DRO	MRO	TOTAL	
5 PT Confirmation Soil Samples												
Wall-1	---	8/6/2021	In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	560
Wall-2	---		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
Wall-3	---		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
Wall-4	---		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
Wall-5	---		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	166
Wall-6	---		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	176
Wall-7	---		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	224
Wall-8	---		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
Wall-9	---		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	528
Wall-10	---		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
Wall-11	---		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
Base 1	4.5'	8/6/2021	In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	784
Base 2	4.5'		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	1,600
Base 3	4.5'		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	608
Base 4	4.5'		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
Base 5	4.5'		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	592
Base 6	4.5'		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	784
Base 7	4.5'		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	512
Base 8	4.5'		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	1,150
Base 9	4.5'		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	320
Base 10	4.5'		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
Base 11	4.5'		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	1,550
Base 12	4.5'		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	1,800
Base 13	4.5'		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	304
Base 14	4.5'		In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	176
NMOCD Action Levels <sup>4</sup>				N/A	N/A	10	50	1,000		N/A	2,500	20,000

Notes:

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes by EPA method 8021B

2. TPH = Total petroleum hydrocarbons analyzed by method EPA 8015M (GRO/DRO/MRO)

3. Chloride - Analyzed by EPA method SM4500

4. New Mexico 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

&lt;RDL = The analyte was not detected above the laboratory reported detection limit (RDL)

**APPENDIX A – BLM AND NMOCD NOTIFICATIONS**

OCD Permitting

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

[NOTIFY] Notification Of Release (NOR) Application

Submission Information

Submission ID:	27261	Districts:	Hobbs
Operator:	[36785] DCP OPERATING COMPANY, LP	Counties:	Lea
Description:	DCP OPERATING COMPANY, LP [36785] , GRUMPY CAT 15 CTB 2 , nAPP2113044711		
Status:	APPROVED		
Status Date:	05/10/2021		
References (1):	nAPP2113044711		

Forms

This application type does not have attachments.

Questions

Location of Release Source

Please answer all the questions in this group.

Site Name	Grumpy Cat 15 CTB 2
Date Release Discovered	05/03/2021
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	Not answered.
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion   Pipeline (Any)   Produced Water   Released: 17 BBL   Recovered: 0 BBL   Lost: 17 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.

Nature and Volume of Release (continued)

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

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

Initial Response

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

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

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

Acknowledgments

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

Comments

No comments found for this submission.

Conditions

Summary: system (5/10/2021), When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.

Reasons

No reasons found for this submission.



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

District I  
1625 N. French Dr., Hobbs, 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	nAPP2113044711
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party DCP Midstream, LP	OGRID 36785
Contact Name Jordan Britain	Contact Telephone 575-361-1307
Contact email jlbritain@dcpmidstream.com	Incident # (assigned by OCD)
Contact mailing address 5301 Sierra Vista Drive, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.308815 Longitude -103.66394  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Grumpy Cat 15 CTB 2 Line	Site Type 1" Niple
Date Release Discovered 5/3/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
C	15	23S	32E	Lea

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 checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 17bbls	Volume Recovered (bbls) 0bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: On May 3, 2021, a produced water release was discovered from a cracked weld on a 1" nipple on the water transfer meter tube located on the Grumpy Cat 15 CTB 2 facility pad. Upon discovery of the release, the pipeline was isolated and shutdown.

Incident ID	nAPP2113044711
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> <p>A release notification was provided to the District Manager for New Mexico Oil Conservation Division (NMOCD) on May 4, 2021 via phone.</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>Kyle Norman</u>	Title: <u>Regional Project Manager</u>
Signature: <u><i>Kyle Norman</i></u>	Date: <u>1/11/2022</u>
email: <u>knorman@tasman-geo.com</u>	Telephone: <u>575-318-5017</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

Incident ID	nAPP2113044711
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>~400</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Incident ID	nAPP2113044711
District RP	
Facility ID	
Application ID	

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: Kyle Norman Title: Regional Project Manager

Signature: *Kyle Norman* Date: 1/11/2022

email: knorman@tasman-geo.com Telephone: 575-318-5017

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



**From:** [Kyle Norman](#)  
**To:** [Brett Dennis](#); [Laura Flores](#)  
**Subject:** FW: Grumpy Cat 15 CTB 2\_nAPP2113044711 - Notification of Confirmation Sampling  
**Date:** Tuesday, September 10, 2024 7:34:39 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)

---

Notification of sampling on the Grumpy cat.

**Kyle Norman**  
SW Regional Manager

**Tasman, Inc.**  
C: 575-318-5017  
[knorman@tasman-geo.com](mailto:knorman@tasman-geo.com)  
[www.tasman-geo.com](http://www.tasman-geo.com)



***Celebrating 15 Years!***

---

**From:** Kyle Norman  
**Sent:** Tuesday, August 3, 2021 8:54 AM  
**To:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>  
**Cc:** Britain, Jordan L <JlBritain@dcpmidstream.com>; Case, Nicholas L <casen@dcpmidstream.com>  
**Subject:** Grumpy Cat 15 CTB 2\_nAPP2113044711 - Notification of Confirmation Sampling

All,

We will be collecting confirmation soil samples on Friday August 6<sup>th</sup> at 9:00am. I will let you know if the plans change. Please let me know if you have any questions or concerns.

Thank you

**Kyle Norman**  
Regional Project Manager

---

**Tasman Geosciences**  
2620 W. Marland Blvd.  
Hobbs, NM 88240  
C: 575-318-5017  
[knorman@tasman-geo.com](mailto:knorman@tasman-geo.com)  
[www.tasman-geo.com](http://www.tasman-geo.com)

**APPENDIX B – DEPTH TO GROUNDWATER INFORMATION**



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
United States

GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

**i** Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 321732103401701

Minimum number of levels = 1

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

USGS 321732103401701 23S.32E.21.223444

Lea County, New Mexico  
Latitude 32°17'32", Longitude 103°40'17" NAD27  
Land-surface elevation 3,682 feet above NAVD88  
The depth of the well is 550 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1972-09-21			D	62610	3199.51	NGVD29	P		Z		A
1972-09-21			D	62611	3201.25	NAVD88	P		Z		A
1972-09-21			D	72019	480.75		P		Z		A
1976-12-07			D	62610	3201.79	NGVD29	1		Z		A
1976-12-07			D	62611	3203.53	NAVD88	1		Z		A
1976-12-07			D	72019	478.47		1		Z		A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions or Comments](#)  
[Help](#)  
[Data Tips](#)  
[Explanation of terms](#)  
[Subscribe for system changes](#)



9/9/24, 4:01 PM

USGS Groundwater for USA: Water Levels -- 1 sites

**URL:** <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-09-09 17:58:53 EDT

0.33 0.23 nadww01

**APPENDIX C – PHOTOGRAPHIC LOG**

DCP Operating Company, LP  
Grumpy Cat 15 CTB 2\_nAPP2113044711





DCP Midstream  
Grumpy Cat 15 CTB 2\_nAPP2113044711



Final Excavation



Final Excavation



DCP Operating Company, LP  
Grumpy Cat 15 CTB 2\_nAPP2113044711



Final Excavation



Final Excavation

DCP Operating Company, LP  
Grumpy Cat 15 CTB 2\_nAPP2113044711

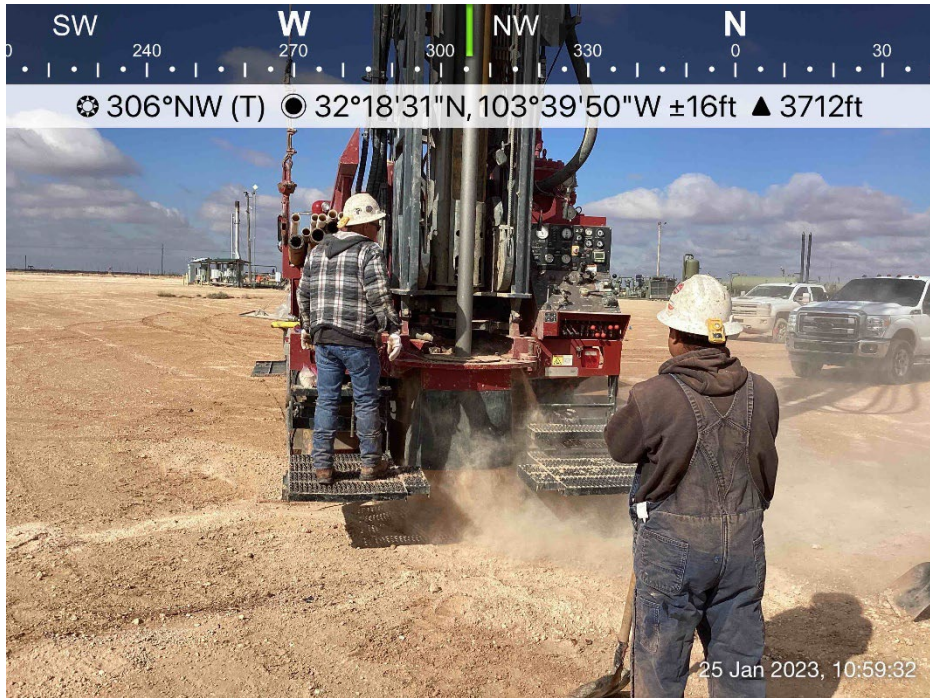




DCP Operating Company, LP  
Grumpy Cat 15 CTB 2\_nAPP2113044711



DCP Operating Company, LP  
Grumpy Cat 15 CTB 2\_nAPP2113044711



**APPENDIX D – CERTIFIED LABORATORY ANALYTICAL REPORT**





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

August 09, 2021

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - GRUMPY CAT 15 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 08/06/21 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive 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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP WALL - 1 (H212101-01)**

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	08/06/2021	ND	1.99	99.7	2.00	1.67		
Toluene*	<0.050	0.050	08/06/2021	ND	2.16	108	2.00	1.76		
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.08	104	2.00	1.57		
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.20	103	6.00	1.15		
Total BTEX	<0.300	0.300	08/06/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	08/08/2021	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	08/06/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/06/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/06/2021	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP WALL - 2 (H212101-02)**

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	08/06/2021	ND	1.99	99.7	2.00	1.67		
Toluene*	<0.050	0.050	08/06/2021	ND	2.16	108	2.00	1.76		
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.08	104	2.00	1.57		
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.20	103	6.00	1.15		
Total BTEx	<0.300	0.300	08/06/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

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	08/08/2021	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	08/06/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/06/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/06/2021	ND					

Surrogate: 1-Chlorooctane 96.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP WALL - 3 (H212101-03)**

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	08/06/2021	ND	1.99	99.7	2.00	1.67		
Toluene*	<0.050	0.050	08/06/2021	ND	2.16	108	2.00	1.76		
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.08	104	2.00	1.57		
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.20	103	6.00	1.15		
Total BTEx	<0.300	0.300	08/06/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/08/2021	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	08/06/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/06/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/06/2021	ND					

Surrogate: 1-Chlorooctane 95.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP WALL - 4 (H212101-04)**

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	08/06/2021	ND	1.99	99.7	2.00	1.67	
Toluene*	<0.050	0.050	08/06/2021	ND	2.16	108	2.00	1.76	
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.08	104	2.00	1.57	
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.20	103	6.00	1.15	
Total BTEX	<0.300	0.300	08/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

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	08/08/2021	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	08/06/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/06/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/06/2021	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP WALL - 5 (H212101-05)**

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	08/06/2021	ND	1.99	99.7	2.00	1.67		
Toluene*	<0.050	0.050	08/06/2021	ND	2.16	108	2.00	1.76		
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.08	104	2.00	1.57		
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.20	103	6.00	1.15		
Total BTEx	<0.300	0.300	08/06/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	166	16.0	08/08/2021	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	08/06/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/06/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/06/2021	ND					

Surrogate: 1-Chlorooctane 93.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP WALL - 6 (H212101-06)**

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	08/06/2021	ND	1.99	99.7	2.00	1.67	
Toluene*	<0.050	0.050	08/06/2021	ND	2.16	108	2.00	1.76	
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.08	104	2.00	1.57	
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.20	103	6.00	1.15	
Total BTEX	<0.300	0.300	08/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/08/2021	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	08/06/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/06/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/06/2021	ND					

Surrogate: 1-Chlorooctane 93.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP WALL - 7 (H212101-07)**

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	08/06/2021	ND	1.99	99.7	2.00	1.67	
Toluene*	<0.050	0.050	08/06/2021	ND	2.16	108	2.00	1.76	
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.08	104	2.00	1.57	
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.20	103	6.00	1.15	
Total BTEX	<0.300	0.300	08/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/08/2021	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	08/07/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP WALL - 8 (H212101-08)**

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	08/06/2021	ND	1.99	99.7	2.00	1.67		
Toluene*	<0.050	0.050	08/06/2021	ND	2.16	108	2.00	1.76		
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.08	104	2.00	1.57		
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.20	103	6.00	1.15		
Total BTEx	<0.300	0.300	08/06/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2021	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	08/07/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 98.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP WALL - 9 (H212101-09)**

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	08/06/2021	ND	1.93	96.5	2.00	6.07		
Toluene*	<0.050	0.050	08/06/2021	ND	2.10	105	2.00	7.00		
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.03	101	2.00	6.84		
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.10	102	6.00	6.80		
Total BTEx	<0.300	0.300	08/06/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	08/08/2021	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	08/07/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP WALL - 10 (H212101-10)**

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	08/06/2021	ND	1.93	96.5	2.00	6.07	
Toluene*	<0.050	0.050	08/06/2021	ND	2.10	105	2.00	7.00	
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.03	101	2.00	6.84	
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.10	102	6.00	6.80	
Total BTEX	<0.300	0.300	08/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/08/2021	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	08/07/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 99.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 116 % 38.9-142

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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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP WALL - 11 (H212101-11)**

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	08/06/2021	ND	1.93	96.5	2.00	6.07		
Toluene*	<0.050	0.050	08/06/2021	ND	2.10	105	2.00	7.00		
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.03	101	2.00	6.84		
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.10	102	6.00	6.80		
Total BTEx	<0.300	0.300	08/06/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/08/2021	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	08/07/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 95.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager

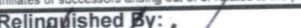



**• ARDINAL LABORATORIES**

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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 		Date: 8/1/21	Received By: 	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Time: 12:50				Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By: 		Date: 8-6-21	Received By: 	REMARKS:	
Time: 1400				email results to: knorman@tasman-geo.com, bgriffin@tasman-geo.com, SAMillican@dcpmidstream.com, JIBritain@dcpmidstream.com, Cook, JohnW <JWCook@dcpmidstream.com> Hyman, Albert L <ALHyman@dcpmidstream.com> Hyman, Janice L <JHyman@dcpmidstream.com>	
Delivered By: (Circle One)		Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5.7c #113					

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







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

August 09, 2021

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - GRUMPY CAT 15 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 08/06/21 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive 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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP BASE - 1 @ 4.5' (H212102-01)**

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	08/06/2021	ND	1.93	96.5	2.00	6.07	
Toluene*	<0.050	0.050	08/06/2021	ND	2.10	105	2.00	7.00	
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.03	101	2.00	6.84	
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.10	102	6.00	6.80	
Total BTEX	<0.300	0.300	08/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	08/08/2021	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	08/07/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP BASE - 2 @ 4.5' (H212102-02)**

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	08/06/2021	ND	1.93	96.5	2.00	6.07		
Toluene*	<0.050	0.050	08/06/2021	ND	2.10	105	2.00	7.00		
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.03	101	2.00	6.84		
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.10	102	6.00	6.80		
Total BTEX	<0.300	0.300	08/06/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	08/08/2021	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	08/07/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 97.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

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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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP BASE - 3 @ 4.5' (H212102-03)**

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	08/06/2021	ND	1.93	96.5	2.00	6.07		
Toluene*	<0.050	0.050	08/06/2021	ND	2.10	105	2.00	7.00		
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.03	101	2.00	6.84		
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.10	102	6.00	6.80		
Total BTEX	<0.300	0.300	08/06/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	08/08/2021	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	08/07/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 93.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP BASE - 4 @ 4.5' (H212102-04)**

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	08/06/2021	ND	1.93	96.5	2.00	6.07	
Toluene*	<0.050	0.050	08/06/2021	ND	2.10	105	2.00	7.00	
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.03	101	2.00	6.84	
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.10	102	6.00	6.80	
Total BTEX	<0.300	0.300	08/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	08/08/2021	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	08/07/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 92.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP BASE - 5 @ 4.5' (H212102-05)**

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	08/06/2021	ND	1.93	96.5	2.00	6.07		
Toluene*	<0.050	0.050	08/06/2021	ND	2.10	105	2.00	7.00		
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.03	101	2.00	6.84		
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.10	102	6.00	6.80		
Total BTEX	<0.300	0.300	08/06/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	08/08/2021	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	08/07/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 98.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP BASE - 6 @ 4.5' (H212102-06)**

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	08/06/2021	ND	1.93	96.5	2.00	6.07		
Toluene*	<0.050	0.050	08/06/2021	ND	2.10	105	2.00	7.00		
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.03	101	2.00	6.84		
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.10	102	6.00	6.80		
Total BTEX	<0.300	0.300	08/06/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	08/08/2021	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	08/07/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP BASE - 7 @ 4.5' (H212102-07)**

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	08/06/2021	ND	1.93	96.5	2.00	6.07	
Toluene*	<0.050	0.050	08/06/2021	ND	2.10	105	2.00	7.00	
Ethylbenzene*	<0.050	0.050	08/06/2021	ND	2.03	101	2.00	6.84	
Total Xylenes*	<0.150	0.150	08/06/2021	ND	6.10	102	6.00	6.80	
Total BTEX	<0.300	0.300	08/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	08/08/2021	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	08/07/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.5 % 38.9-142

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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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP BASE - 8 @ 4.5' (H212102-08)**

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	08/07/2021	ND	1.93	96.5	2.00	6.07		
Toluene*	<0.050	0.050	08/07/2021	ND	2.10	105	2.00	7.00		
Ethylbenzene*	<0.050	0.050	08/07/2021	ND	2.03	101	2.00	6.84		
Total Xylenes*	<0.150	0.150	08/07/2021	ND	6.10	102	6.00	6.80		
Total BTEx	<0.300	0.300	08/07/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	08/08/2021	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	08/07/2021	ND	199	99.3	200	0.347	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	210	105	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 115 % 38.9-142

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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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP BASE - 9 @ 4.5' (H212102-09)**

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	08/07/2021	ND	1.93	96.5	2.00	6.07		
Toluene*	<0.050	0.050	08/07/2021	ND	2.10	105	2.00	7.00		
Ethylbenzene*	<0.050	0.050	08/07/2021	ND	2.03	101	2.00	6.84		
Total Xylenes*	<0.150	0.150	08/07/2021	ND	6.10	102	6.00	6.80		
Total BTEX	<0.300	0.300	08/07/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

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	08/08/2021	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	08/07/2021	ND	215	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	207	103	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP BASE - 10 @ 4.5' (H212102-10)**

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	08/07/2021	ND	1.93	96.5	2.00	6.07		
Toluene*	<0.050	0.050	08/07/2021	ND	2.10	105	2.00	7.00		
Ethylbenzene*	<0.050	0.050	08/07/2021	ND	2.03	101	2.00	6.84		
Total Xylenes*	<0.150	0.150	08/07/2021	ND	6.10	102	6.00	6.80		
Total BTEX	<0.300	0.300	08/07/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	08/08/2021	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	08/07/2021	ND	215	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	207	103	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.6 % 38.9-142

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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: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP BASE - 11 @ 4.5' (H212102-11)**

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	08/07/2021	ND	1.93	96.5	2.00	6.07		
Toluene*	<0.050	0.050	08/07/2021	ND	2.10	105	2.00	7.00		
Ethylbenzene*	<0.050	0.050	08/07/2021	ND	2.03	101	2.00	6.84		
Total Xylenes*	<0.150	0.150	08/07/2021	ND	6.10	102	6.00	6.80		
Total BTEX	<0.300	0.300	08/07/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	08/08/2021	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	08/07/2021	ND	215	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	207	103	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 78.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP BASE - 12 @ 4.5' (H212102-12)**

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	08/07/2021	ND	1.93	96.5	2.00	6.07		
Toluene*	<0.050	0.050	08/07/2021	ND	2.10	105	2.00	7.00		
Ethylbenzene*	<0.050	0.050	08/07/2021	ND	2.03	101	2.00	6.84		
Total Xylenes*	<0.150	0.150	08/07/2021	ND	6.10	102	6.00	6.80		
Total BTEX	<0.300	0.300	08/07/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	08/08/2021	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	08/07/2021	ND	215	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	207	103	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 74.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP BASE - 13 @ 4.5' (H212102-13)**

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	08/07/2021	ND	1.93	96.5	2.00	6.07		
Toluene*	<0.050	0.050	08/07/2021	ND	2.10	105	2.00	7.00		
Ethylbenzene*	<0.050	0.050	08/07/2021	ND	2.03	101	2.00	6.84		
Total Xylenes*	<0.150	0.150	08/07/2021	ND	6.10	102	6.00	6.80		
Total BTEX	<0.300	0.300	08/07/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/08/2021	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	08/07/2021	ND	215	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	207	103	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 73.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 08/06/2021  
 Reported: 08/09/2021  
 Project Name: DCP - GRUMPY CAT 15 CTB 2  
 Project Number: NAPP2113044711  
 Project Location: NONE GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 5 PT. COMP BASE - 14 @ 4.5' (H212102-14)**

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	08/07/2021	ND	1.93	96.5	2.00	6.07		
Toluene*	<0.050	0.050	08/07/2021	ND	2.10	105	2.00	7.00		
Ethylbenzene*	<0.050	0.050	08/07/2021	ND	2.03	101	2.00	6.84		
Total Xylenes*	<0.150	0.150	08/07/2021	ND	6.10	102	6.00	6.80		
Total BTEX	<0.300	0.300	08/07/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/08/2021	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	08/07/2021	ND	215	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	207	103	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					

Surrogate: 1-Chlorooctane 70.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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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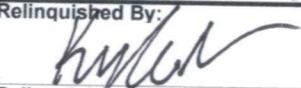
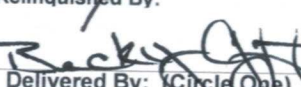


A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**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

<b>Company Name:</b> Tasman Geosciences, LLC <b>Project Manager:</b> Kyle Norman <b>Address:</b> 2620 W Marland Blvd <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88240 <b>Phone #:</b> 575-318-5017 <b>Fax #:</b> <b>Project #:</b> nAPP2113044711 <b>Project Owner:</b> DCP Midstream <b>Project Name:</b> DCP <b>Project Location:</b> Grumpy Cat 15 CTB 2 <b>Sampler Name:</b> Kyle Norman				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Tasman Geo <b>Attn:</b> Kyle Norman <b>Address:</b> 2620 W. Marland <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88240 <b>Phone #:</b> 575-318-5017 <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>																	
								<div style="display: flex; justify-content: space-around; font-weight: bold;"> Chlorides TPH 8015 M BTEX Texas TPH CompleteCations/Anions TDS HOLD RUSH </div>																	
FOR LAB USE ONLY																									
<b>Lab I.D.</b>  H212102		<b>Sample I.D.</b>		(G/RAB OR (COMP. # CONTAINERS		<b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :				<b>PRESERV.</b> ACID/BASE: ICE / COOL OTHER :		<b>SAMPLING</b> <b>DATE</b> <b>TIME</b>													
1		5 Pt Comp. Base - 1 @ 4.5'		1						✓		8/6/21 08:00		✓											
2		5 Pt Comp. Base - 2 @ 4.5'		1						✓		8/6/21 08:15		✓											
3		5 Pt Comp. Base - 3 @ 4.5'		1						✓		8/6/21 08:30		✓											
4		5 Pt Comp. Base - 4 @ 4.5'		1						✓		8/6/21 08:45		✓											
5		5 Pt Comp. Base - 5 @ 4.5'		1						✓		8/6/21 09:00		✓											
6		5 Pt Comp. Base - 6 @ 4.5'		1						✓		8/6/21 09:15		✓											
7		5 Pt Comp. Base - 7 @ 4.5'		1						✓		8/6/21 09:30		✓											
8		5 Pt Comp. Base - 8 @ 4.5'		1						✓		8/6/21 09:45		✓											
9		5 Pt Comp. Base - 9 @ 4.5'		1						✓		8/6/21 10:00		✓											
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																									
<b>Relinquished By:</b>  <b>Relinquished By:</b>  <b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:				<b>Date:</b> 8/6/21 <b>Time:</b> 12:50 <b>Date:</b> 8-6-21 <b>Time:</b> 1400				<b>Received By:</b>  <b>Received By:</b> 				<b>Phone Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Add'l Phone #:</b> <b>Fax Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Add'l Fax #:</b> <b>REMARKS:</b> email results to: knorman@tasman-geo.com, bgriffin@tasman-geo.com, SAMillican@dcpmidstream.com, JIBritain@dcpmidstream.com, Cook, JohnW <JWCook@dcpmidstream.com> Hyman, Albert L <ALHyman@dcpmidstream.com> Hyman, Janice L <JHyman@dcpmidstream.com>													

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

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Energy, Minerals and Natural Resources

Oil Conservation Division

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QUESTIONS

Action 384513

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 384513
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2113044711
Incident Name	NAPP2113044711 GRUMPY CAT 15 CTB 2 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	GRUMPY CAT 15 CTB 2
Date Release Discovered	05/03/2021
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water 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	Cause: Corrosion   Pipeline (Any)   Produced Water   Released: 17 BBL   Recovered: 0 BBL   Lost: 17 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.



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QUESTIONS, Page 2

Action 384513

**QUESTIONS (continued)**

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 384513
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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: 09/18/2024
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QUESTIONS, Page 3

Action 384513

**QUESTIONS (continued)**

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 384513
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	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	Between 1 and 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 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

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

Requesting a remediation plan approval with this submission	Yes
<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)	1800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	10
GRO+DRO (EPA SW-846 Method 8015M)	10
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	07/27/2021
On what date will (or did) the final sampling or liner inspection occur	08/06/2021
On what date will (or was) the remediation complete(d)	08/12/2021
What is the estimated surface area (in square feet) that will be reclaimed	2800
What is the estimated volume (in cubic yards) that will be reclaimed	467
What is the estimated surface area (in square feet) that will be remediated	2800
What is the estimated volume (in cubic yards) that will be remediated	467

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 384513

**QUESTIONS (continued)**

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 384513
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> 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: 09/18/2024
<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 384513

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 384513
	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



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QUESTIONS, Page 6

Action 384513

**QUESTIONS (continued)**

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 384513
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	384525
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/06/2021
What was the (estimated) number of samples that were to be gathered	25
What was the sampling surface area in square feet	2800

**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	2511
What was the total volume (cubic yards) remediated	768
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	2511
What was the total volume (in cubic yards) reclaimed	418
Summarize any additional remediation activities not included by answers (above)	Tasman conducted initial assessment activities, identifying an approximately 2,800 square foot area that had been impacted by the produced water release. Heavy equipment was used to remove approximately 768 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.

*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: 09/18/2024
--	---

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Action 384513

QUESTIONS (continued)

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	Action Number: 384513
	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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COMMENTS

Action 384513

COMMENTS

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	Action Number: 384513
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

COMMENTS

Created By	Comment	Comment Date
csmith	Returned to OCD Review. Typos in Conditions of Approval.	12/10/2024

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CONDITIONS

Action 384513

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 384513
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation closure report approved. A discrepancy during confirmation sampling revealed that the 3rd party consultant had inadvertently and erroneously labeled the 8/6/2021 samples at 15 minute intervals. After receiving this information, OCD determined that this action would not have resulted in a different outcome. Release resolved.	12/10/2024