

SHARBO 2 FLOWLINE RELEASE

Remediation Summary and Closure Request

NMOCD Incident No. nAPP2316539496
UL "H", Sec. 18, T23S, R32E
32.3064450°, -103.7064010°
Lea County, New Mexico

March 1, 2024



PREPARED ON BEHALF OF

Foundation Energy
Management, LLC
5057 Keller Springs Rd.,
Suite 650
Addison, TX 75001



PREPARED BY

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



Sharbo 2 Flowline Release – nAPP2316539496
Remediation Summary and Closure Request



March 1, 2024

Foundation Energy Management
5057 Keller Springs Rd., Ste 650
Addison, TX 75001

Attn: Mr. James Smith
Email: jsmith@foundationenergy.com

Re: Remediation Summary and Closure Request
Sharbo 2 Flowline Release
UL "H", Section 18, Township 23 South, Range 32 East
Lea County, New Mexico
NMOCD Incident No. nAPP2316539496 | Tasman Project No. 5005

Dear Mr. Smith,

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

Tasman conducted initial assessment activities, identifying an approximately 641-square foot area that had been impacted by the release. The release area was then vertically, and horizontally delineated, and heavy equipment was used to remove approximately 456 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 Foundation Energy Management. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Sincerely,
Tasman, Inc.

Brett Dennis
Senior Environmental Scientist
bdennis@tasman-geo.com

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

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1.0 INTRODUCTION

Tasman, Inc. (Tasman) is pleased to submit this Remediation Summary and Closure Request for the Sharbo 2 Flowline Release (site) on behalf of Foundation Energy Management (FEM), 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 “H”, Section 18, Township 23 South, Range 32 East in Lea County, New Mexico. The release occurred from the Sharbo 2 Flowline, a poly produced water pipeline. The release occurred on BLM property. A site location map can be found attached as Figure 1.

1.2 Release Detail and Initial Response

On November 22, 2022, the Sharbo 2 flowline was discovered by FEM personnel due to pipeline failure. FEM provided immediate notice of the release to the District Manager for New Mexico Oil Conservation District (NMOCD) by phone. The pipeline failure resulted in the release of approximately 40 barrels (bbls) of produced water to the surrounding environmental media. FEM personnel shut in the pipeline to isolate the release. The line was later repaired and returned to service. No produced water was recovered. Copies of the NMOCD notifications are provided in Appendix A.

2.0 SITE CHARACTERISTICS

2.1 Depth to Groundwater

Tasman reviewed available depth to groundwater information available through the New Mexico New Mexico Office of the State Engineer (NMOSE) and the US Geological Survey (USGS) for registered water wells within a half-mile radius of the site. Based on the available water well data, no wells were identified within a half-mile radius of the site.

On January 25, 2023, Tasman, on behalf of FEM, installed a soil boring approximately 150 feet west of the release point to a depth of 105 feet below ground surface (bgs). The soil boring (B-1) was left open for 24 hours and then depth to groundwater was measured at 82 ft bgs the following day. The soil boring was then plugged and abandoned.

2.2 Karst Potential

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 was identified as POD CP 03851, which is located 1.68 miles from the site. The location of POD CP 00255 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 significant surface water was identified as Bell Lake, located 0.9 miles from the site. The Pecos River is also located 17.3 miles from the site. The location of Bell Lake and the Pecos River are illustrated on Figure 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 FIRMetMap 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:	~82 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 AND ASSESSMENT LEVELS

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

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

TPH – total petroleum hydrocarbons

DRO – diesel range organics

BTEX – benzene, toluene, ethylbenzene, total xylenes

GRO – gasoline range organics

MRO – motor/lube oil range organics

mg/kg – milligrams per kilogram

3.1 Reclamation Levels

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

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

4.0 RELEASE ASSESSMENT

On November 29, 2022, Tasman was retained by FEM to respond to a release of produced water at the site. Initial observations indicated a disturbed area of approximately 641 square feet (ft²). Tasman personnel collected one soil sample (SP-1) from within the release area. The soil sample was field screened using a photoionization detector (PID) for the presence of volatile organic vapors and filed titration kit for chlorides. The sample was not submitted for laboratory analysis. A photographic log is included as Appendix B.

On December 12, 2022, Tasman advanced seven hand auger soil borings at the site in effort to delineate impacts to soil. Soil borings HA-1 through HA-3 were advanced within the apparent release area, and soil borings HA-4 through HA-7 were advanced outside of the apparent release area. Horizontal delineation was achieved, but the deepest sample from soil boring HA-1, HA-2 and HA-3 exhibited concentrations of chlorides of 10,900 milligrams per kilogram (mg/kg) at 9 feet bgs, 12,100 mg/kg at 9 feet bgs, and 11,600 mg/kg at 8 feet bgs, respectively. Each exceeding the NMOCD Action Level. Total petroleum hydrocarbons and benzene, toluene, ethylbenzene, and total xylenes (collectively known as BTEX) were not detected above NMOCD Action Levels.

On February 10, 2023, a vertical delineation trench was advanced in the vicinity of soil boring HA-2 to assess vertical migration of chemicals of concern. Vertical V-1 was advanced to a depth of 28 feet bgs. The deepest sample collected from vertical V-1 at 28 feet bgs exhibited a concentration of chloride of 32,000 mg/kg.

On May 22, 2023, an additional soil boring, B-2, was advanced to a depth of 75 feet bgs. Concentrations of chlorides from soil samples collected from soil boring B-2 exceeded NMOCD Action Levels from 25 feet bgs (11,600 mg/kg) and 30 feet bgs (21,200 mg/kg). Delineation to 600 mg/kg per NMOCD requirements was not achieved.

On October 3, 2023, Tasman installed one groundwater monitoring well (MW-1) near the source of the release. Depth to groundwater was measured at 98.66 feet bgs on October 9, 2023. Details were included in the submitted RAP Addendum, dated November 7, 2023.

5.0 SOIL SAMPLING PROCEDURES

5.1 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.

5.2 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.

6.0 SUMMARY OF REMEDIAL ACTIONS

6.1 Remedial Objectives

In the RAP Addendum, Tasman proposed to remove the top four feet of the delineated release area using mechanical equipment and to dispose at a NMOCD approved facility. Confirmation soil samples were to be collected as five-point composites from the sidewalls of the excavation, representing no more than 200 square feet. Upon receipt of laboratory analytical results showing concentrations of chemicals of concern are below NMOCD Remediation Action levels, a 20-millimeter thick LLPDE sealed liner would be installed at the base of the excavation.

In a phone conversation with NMOCD, NMOCD requested a copy of the NMOSE permit to be included in the Closure Report. The NMOSE permit is included in Appendix A.

6.2 Remedial Activities

From January 9 to January 17, 2024, Tasman utilized mechanical equipment to excavate impacted soil from within the delineated release margins. Excavated material was stockpiled on-site atop a polyethylene liner pending transportation to an NMOCD approved disposal facility.



The final excavation measured approximately 44 feet long by 46 feet wide by 4 feet deep. A total of 456 cubic yards of excavated material was exported to Lea Land, LLC. The excavation was lined with a 20-millimeter thick LLPDE sealed liner.

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

6.3 Confirmation Data Evaluation

On January 12, 2024, Tasman provided a 48-hour mobilization notice to the NMOCD via email (Appendix A). Beginning January 17, 2024, Tasman mobilized to the site to collect confirmation soil samples from sidewalls of the remedial excavation. Four confirmation soil samples were collected from the sidewalls of the excavation. Each confirmation soil sample was collected as a five-point composite representing approximately 200 ft² or less of excavation base or sidewall area.

Detected concentrations of chlorides were detected in confirmation samples W-1 through W-3 above laboratory reported detection limits (RDLs) but below applicable NMOCD Action Levels, with concentrations ranging from 32.0 mg/kg to 192 mg/kg.

Concentrations of benzene, total BTEX and total TPH were below detectable limits throughout.

7.0 RESTORATION AND RECLAMATION

From January 18 to 22, 2024, Tasman personnel were on site to restore the area to the condition which existed prior to the release to the maximum extent possible. The excavated areas were backfilled with a total of 240 cubic yards of non-impacted “like” material and contoured and/or compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable.

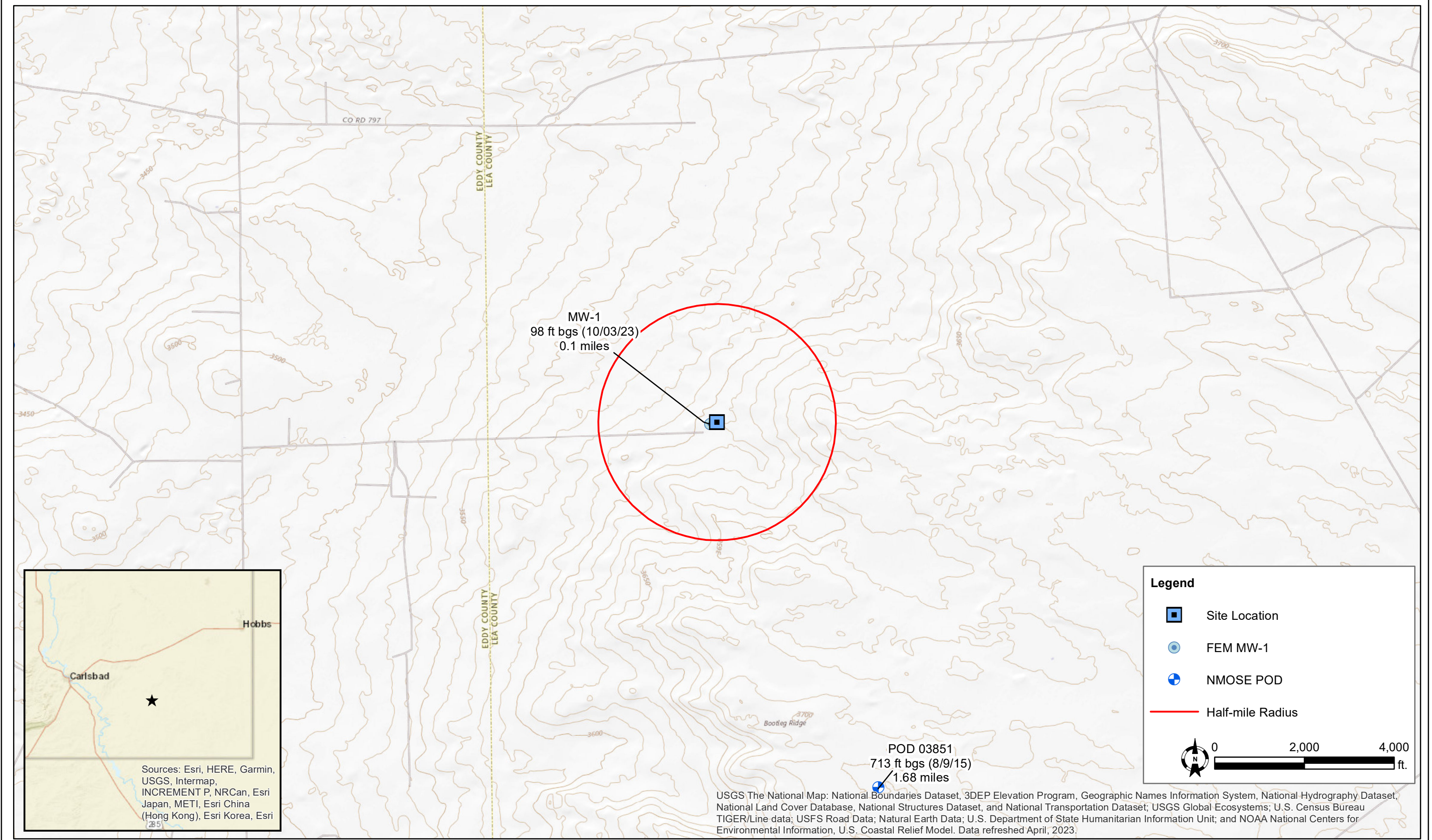
Sharbo 2 Flowline Release – nAPP2316539496
Remediation Summary and Closure Request



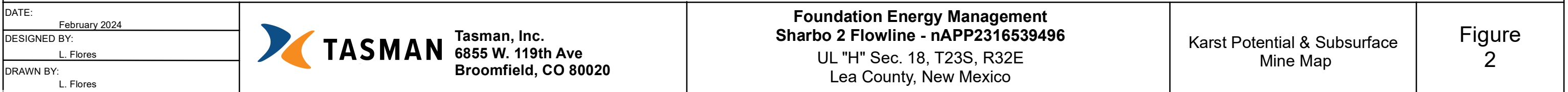
8.0 SITE CLOSURE REQUEST

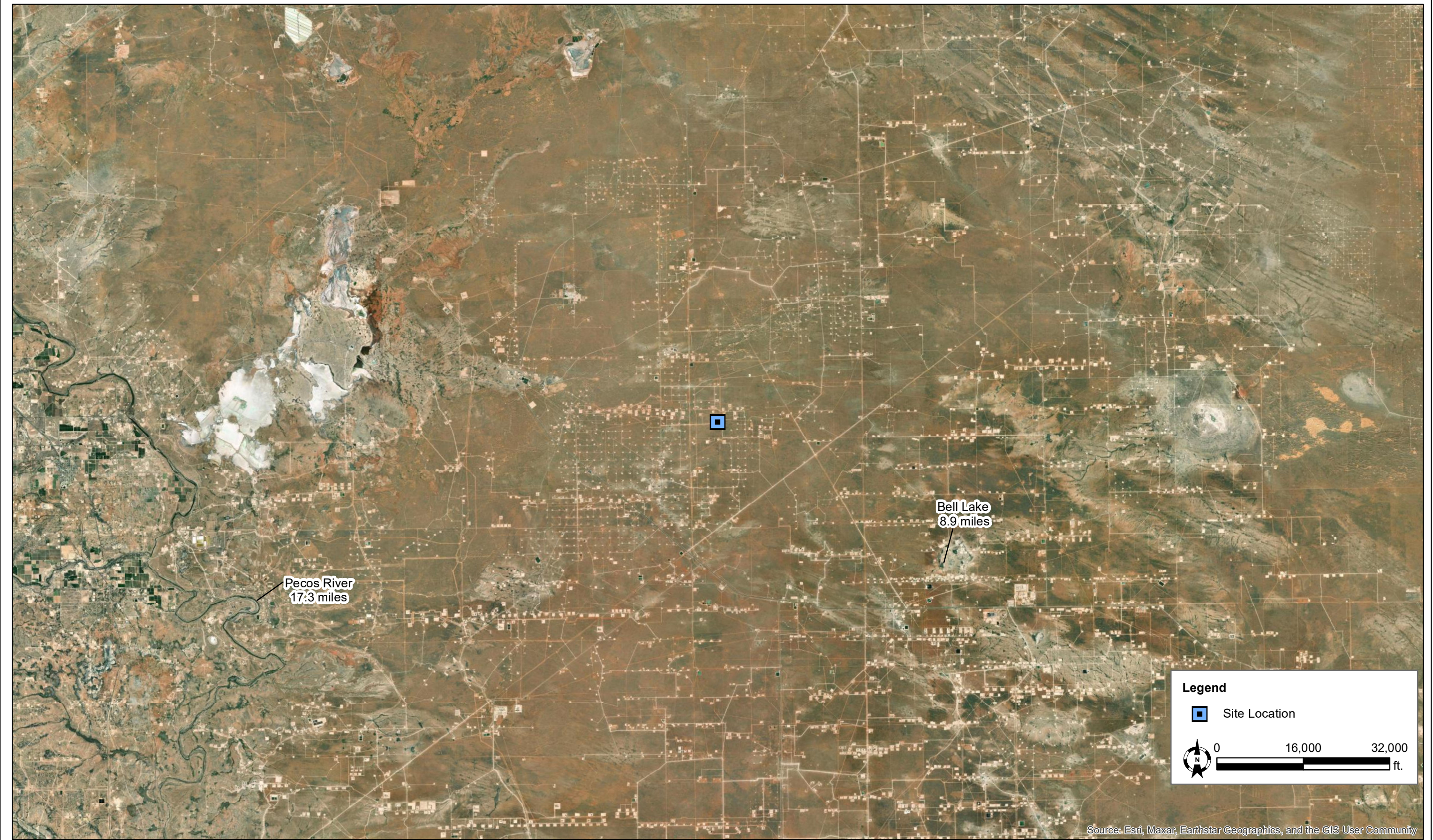
Based on laboratory analytical results from soil samples collected during the confirmation sampling events, impacted soil within the release area has been remediated below the applicable NMOCD Action Levels in accordance with NMAC 19.15.29. As such, Tasman, on behalf of Foundation, respectfully requests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

Figures



DATE: June 2023	 Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	Foundation Energy Management Sharbo 2 Flowline - nAPP2316539496 UL "H" Sec. 18, T23S, R32E Lea County, New Mexico	Site Location & Characteristics Map	Figure 1
DESIGNED BY: B. Dennis				
DRAWN BY: B. Dennis				





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



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

Foundation Energy Management
Sharbo 2 Flowline - nAPP2316539496
UL "H" Sec. 18, T23S, R32E
Lea County, New Mexico

Surface Water Map

Figure
3

National Flood Hazard Layer FIRMMette



103°42'42"W 32°18'38"N



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

1:6,000

103°42'4"W 32°18'8"N

Released to Imaging: 3/18/2024 4:37:50 PM

Basemap Imagery Source: USGS National Map 2023

Legend

Figure 4

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **2/27/2024 at 4:23 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



DATE:	February 2024
DESIGNED BY:	K. Stark
DRAWN BY:	L. Flores

**TASMAN**

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

Foundation Energy Management
Sharbo 2 Flowline - nAPP2316539496
UL "H" Sec. 18, T23S, R32E
Lea County, New Mexico

Excavation Overview Map

Figure
5

Table

TABLE 1
SOIL ANALYTICAL SUMMARY
Foundation Energy Management
Sharbo 2 Flowline

Sample ID	Sample Depth (ft)	Sample Date	Soil Status	PID (ppm)	Field Chloride (mg/kg)	Benzene (mg/kg)	Total BTEX ¹ (mg/kg)	TPH ² (mg/kg)				Chloride ³ (mg/kg)
								GRO	DRO	MRO	TOTAL	
Confirmation Soil Samples												
W-1	---	1/17/2024	In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
W-2	---	1/17/2024	In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
W-3	---	1/17/2024	In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	192
W-4	---	1/17/2024	In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
NMOCD Reclamation Standards ⁴ (Applicable for soils less than 4 ft. below grade surface)				N/A	N/A	10	50	N/A			2,500	600

Notes:

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

* = Denotes discrete/grab sample

Bold values denote concentrations above laboratory RDL

Ft = Feet

GRO = Gasoline range organics

DRO = Diesel range organics

MRO = Motor/lube oil range organics

PID = Photoionization detector

--- = Sample was not analyzed for this analyte

<RDL = The analyte was not detected above the laboratory reported detection limit (RDL)

N/A = Not applicable

Appendix A – Initial Form C-141 and NMOCD Notifications

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Foundation Energy Management, LLC	OGRID 370740
Contact Name James Smith	Contact Telephone 972-707-2595
Contact email jsmith@foundationenergy.com	Incident # (assigned by OCD) nAPP2316539496
Contact mailing address 5057 Keller Springs Rd., Suite 650 Addison, TX 75001	

Location of Release Source

Latitude 32.30645 Longitude -103.70640
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Sharbro 2 flowline	Site Type valve box
Date Release Discovered 11/22/20222	API# (if applicable)

Unit Letter	Section	Township	Range	County
H	18	T23S	R32E	Lea

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

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) 40	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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 Metal transition between valve and poly flowline developed an internal corrosion pin hole.

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

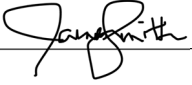
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: James Smith _____ Title: HSE-Regulatory Manager _____
Signature:  _____ Date: 8/15/2023 _____
email: jsmith@foundationenergy.com _____ Telephone: 972-707-2595 _____

OCD Only

Received by: _____ Date: _____

- ☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☒ Deferral Approved
(see text box below)

Signature:  _____ Date: 08/15/2023 _____

Remediation Plan is approved under the following conditions;

1. The placement of the groundwater monitor well (MW) is acceptable
2. Provide the borehole log for the groundwater MW
3. Must notify OCD 4 working days prior to the MW installation
4. Must complete the site characterization by supplying the supporting documents for karst, wetland, floodplain, and active mine maps within the final closure report.
5. Operator has 90-days (11/13/2023) to submit its findings and propose the next steps in a remediation plan addendum.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 227729

QUESTIONS

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID: 370740
	Action Number: 227729
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Sharbo 2 flowline valve box
Date Release Discovered	11/22/2022
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
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: Equipment Failure Flow Line - Production Produced Water Released: 40 BBL Recovered: 0 BBL Lost: 40 BBL.
Is the concentration of dissolved 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.

District I
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District III
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Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 227729

QUESTIONS (continued)

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID: 370740
	Action Number: 227729
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by 19.15.29.7(A) NMAC	Yes, major release.
Reasons why this would be considered a submission for a notification of a major release	<ul style="list-style-type: none">Unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD, by whom	James Smith
If YES, was immediate notice given to the OCD, to whom	Mike Bratcher
If YES, was immediate notice given to the OCD, when	Not answered.
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	phone
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	False
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If 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.	

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ACKNOWLEDGMENTS

Action 227729

ACKNOWLEDGMENTS

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID: 370740
	Action Number: 227729
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.

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CONDITIONS

Action 227729

CONDITIONS

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID: 370740
	Action Number: 227729
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jsmith	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	6/14/2023

OCD Permitting

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

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	302973	Districts:	Hobbs
Operator:	[370740] FOUNDATION ENERGY MANAGEMENT, LLC	Counties:	Lea
Description:	FOUNDATION ENERGY MANAGEMENT, LLC [370740] , SHARBO 2 FLOWLINE VALVE BOX , nAPP2316539496		
Status:	APPROVED		
Status Date:	01/12/2024		
References (1):	nAPP2316539496		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2316539496
Incident Name	NAPP2316539496 SHARBO 2 FLOWLINE VALVE BOX @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Site Name	SHARBO 2 FLOWLINE VALVE BOX
Date Release Discovered	11/22/2022
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	423
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/17/2024
Time sampling will commence	09:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Contact Info: PM-Kyle Norman 575-318-5017
Please provide any information necessary for navigation to sampling site	Driving directions: From the intersection of Hwy 128 and Red Rd. travel north on Red RD. for 3.6 miles. Then, lease road and travel for 1.9 miles. Then, turn north and travel for about 150 ft. Turn right and go about 175 ft t excavation.

Comments

No comments found for this submission.

Conditions

Summary: *jsmith (1/12/2024)*, Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

Go Back

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Santa Fe, NM 87505

QUESTIONS

Action 301432

QUESTIONS

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID: 370740
	Action Number: 301432
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2316539496
Incident Name	NAPP2316539496 SHARBO 2 FLOWLINE VALVE BOX @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Site Name	SHARBO 2 FLOWLINE VALVE BOX
Date Release Discovered	11/22/2022
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	423
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/12/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Contact Info: PM-Kyle Norman 575-318-5017
Please provide any information necessary for navigation to sampling site	Driving directions: From the intersection of Hwy 128 and Red Rd. travel north on Red RD. for 3.6 miles. Then, turn east on the lease road and travel for 1.9 miles. Then, turn north and travel for about 150 ft. Turn right and go about 175 ft to open excavation.

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CONDITIONS

Action 301432

CONDITIONS

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID: 370740
	Action Number: 301432
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jsmith	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/9/2024

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QUESTIONS

Action 302973

QUESTIONS

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID: 370740
	Action Number: 302973
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2316539496
Incident Name	NAPP2316539496 SHARBO 2 FLOWLINE VALVE BOX @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Site Name	SHARBO 2 FLOWLINE VALVE BOX
Date Release Discovered	11/22/2022
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	423
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/17/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Contact Info: PM-Kyle Norman 575-318-5017
Please provide any information necessary for navigation to sampling site	Driving directions: From the intersection of Hwy 128 and Red Rd. travel north on Red RD. for 3.6 miles. Then, turn east on the lease road and travel for 1.9 miles. Then, turn north and travel for about 150 ft. Turn right and go about 175 ft to open excavation.

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CONDITIONS

Action 302973

CONDITIONS

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID: 370740
	Action Number: 302973
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jsmith	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/12/2024

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 751035
File Nbr: C 04770

Sep. 14, 2023

KYLE NORMAN
TASMAN INC.
2620 W MARLAND BLVD
HOBBS, NM 88240

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- * If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- * The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- * This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Rodolfo Chavez".

Rodolfo Chavez
(575) 622-6521

Enclosure

explore

File No. **C-04770 P001****NEW MEXICO OFFICE OF THE STATE ENGINEER**
WR-07 APPLICATION FOR PERMIT TO DRILL
A WELL WITH NO WATER RIGHT


(check applicable box):

For fees, see State Engineer website: <http://www.ose.state.nm.us/>

Purpose: ☐ Pollution Control And/Or Recovery ☐ Ground Source Heat Pump

☐ Exploratory Well*(Pump test) ☐ Construction Site/Public Works Dewatering ☐ Other(Describe):

☒ Monitoring Well ☐ Mine Dewatering

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

*New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.

☐ Temporary Request - Requested Start Date: **10/2/2023**

Requested End Date:

Plugging Plan of Operations Submitted? ☐ Yes ☒ No**1. APPLICANT(S)**

Name: Foundation Energy Managment	Name: Tasman, Inc.
Contact or Agent: <input type="checkbox"/> check here if Agent James Smith	Contact or Agent: <input type="checkbox"/> check here if Agent Kyle Norman
Mailing Address: 5057 Keller Springs Rd., Ste 650	Mailing Address: 2620 W Marland Blvd.
City: Addison	City: Hobbs
State: Texas Zip Code: 75001	State: New Mexico Zip Code: 88240
Phone: <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work): 918-346-7350	Phone: <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work): 575-318-5017
E-mail (optional): jsmith@foundationenergy.com	E-mail (optional): knorman@tasman-geo.com

OSE DT SEP 12 2023 PM 1:15

FOR OSE INTERNAL USE

Application for Permit, Form WR-07, Rev 07/12/22

File No.: C-04770	Trn. No.: 751035	Receipt No.: 2-46198
Trans Description (optional):		
Sub-Basin: CVB	PCW/LOG Due Date: 9/13/24	

Page 1 of 3

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), <u>or</u> Latitude/Longitude (Lat/Long - WGS84). District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.			
<input type="checkbox"/> NM State Plane (NAD83) (Feet) <input type="checkbox"/> NM West Zone <input type="checkbox"/> NM East Zone <input type="checkbox"/> NM Central Zone		<input type="checkbox"/> UTM (NAD83) (Meters) <input type="checkbox"/> Zone 12N <input type="checkbox"/> Zone 13N	
<input checked="" type="checkbox"/> Lat/Long (WGS84) (to the nearest 1/10 th of second)			
Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves, Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
MW-1 C-04770 POD	-103.706459	32.306396	SE 1/4 NE 1/4, Section 18, T23S, R32E
NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions) Additional well descriptions are attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how many _____			
Other description relating well to common landmarks, streets, or other:			
Well is on land owned by: BLM			
Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, how many _____			
Approximate depth of well (feet): 100 feet		Outside diameter of well casing (inches): 2 inches	
Driller Name: HCI Drilling		Driller License Number: WD-1731	

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

USE D/T SEP 12 2023 PM 1:15

Application for Permit, Form WR-07 Version 07/12/22

File No.: C-04720 PDI	Trn No.: 751035
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4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory: Is proposed well a future public water supply well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NO If Yes, an application must be filed with NMED-DWB, concurrently. <input type="checkbox"/> Include a description of the requested pump test if applicable.	Pollution Control and/or Recovery: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	Construction De-Watering: <input type="checkbox"/> Include a description of the proposed dewatering operation. <input type="checkbox"/> The estimated duration of the operation. <input type="checkbox"/> The maximum amount of water to be diverted. <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of. Ground Source Heat Pump: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	Mine De-Watering: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water. <input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
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ACKNOWLEDGEMENT

I, We (name of applicant(s)),

JAMES SMITH
 Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☒ approved

☐ partially approved

☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 16th day of September 20 23, for the State Engineer,

Mike A. Hamman, P.E.

State Engineer

By: K. Parekh
 Signature

Kashyap Parekh
 Print

Title: Water Resource Manager I
 Print



FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 07/12/22

File No.: C-04770 P001

Trn No.: 751035

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: C 04770 POD1

File Number: C 04770

Trn Number: 751035

page: 1

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- 17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- 17-Q The State Engineer retains jurisdiction over this permit.
- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

Trn Desc: C 04770 POD1

File Number: C 04770

Trn Number: 751035

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion C 04770 POD1 must be completed and the Well Log filed on or before 09/13/2024.

IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 09/12/2023	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 14 day of Sep A.D., 2023

Mike A. Hamman, P.E., State Engineer

By: K. Parekh
KASHYAP PAREKH




Trn Desc: C 04770 POD1

File Number: C 04770

Trn Number: 751035

From: [Taylor, Shelly J](#)
To: [James Smith](#); [Gomez, Robert](#); [BLM_NM_CFO_REALTY_Spill](#)
Cc: [Kyle Norman](#)
Subject: Re: [EXTERNAL] Sharbro line leak - monitoring well installation notification (approval request)
Date: Friday, September 8, 2023 8:09:07 AM
Attachments: [Outlook-czpegzv0.png](#)

 IRONSCALES couldn't recognize this email as this is the first time you received an email from this sender sjtaylor@blm.gov

BLM approves for you to install a temporary monitor well to verify depth to ground water and water analysis.

Sincerely,

Shelly J Taylor

Environmental Protection Specialist
 Realty - Compliance

Bureau of Land Management
 620 E. Greene St
 Carlsbad, NM 88220

575.234.5706 – Direct
 575.200-0614 – Mobile
 575.499.6831 - Mobile

sjtaylor@blm.gov

Spill/Release email: BLM_NM_CFO_REALTY_SPILL@BLM.GOV

PLEASE NOTE: I have a new email address: sjtaylor@blm.gov Please start using that address. Thank you!



<!--[if !vml]--> <!--[endif]-->

USE ON SEP 12 2023 PM 1:15

From: James Smith <jsmith@foundationenergy.com>
Sent: Thursday, August 31, 2023 2:47 PM
To: Taylor, Shelly J <sjtaylor@blm.gov>; Gomez, Robert <rgomez@blm.gov>;
 BLM_NM_CFO_REALTY_Spill <blm_nm_cfo_realty_spill@blm.gov>
Cc: Kyle Norman <knorman@tasman-geo.com>
Subject: [EXTERNAL] Sharbro line leak - monitoring well installation notification (approval request)

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Good afternoon.

As part of the ongoing delineation effort for the subject line leak location, we are proposing to install a monitoring well in the vicinity. This monitoring well would be on BLM surface and requires an OSE permit which requires surface owner approval. Please see our plan attached. I would like to get your approval for this work. Currently we are looking to schedule this work around October 2nd.

Thank you.

James Smith | HSE/Regulatory Manager
5057 Keller Springs Rd., Ste 650
Addison, TX 75001
P: 972.707.2595
C: 918.346.7350



From: James Smith
Sent: Wednesday, August 30, 2023 10:34 AM
To: stucker@blm.gov; rgomez@blm.gov; BLM_NM_CFO_Realty_spill@BLM.gov
Subject: FW: Sharbro line leak - monitoring well installation notification (approval request)
Importance: High

Good morning.

As part of the ongoing delineation effort for the subject line leak location, we are proposing to install a monitoring well in the vicinity. This monitoring well would be on BLM surface and requires an OSE permit which requires surface owner approval. Please see our plan attached. I would like to get your approval for this work. Currently we are looking to schedule this work around October 2nd.

Thank you.

James Smith | HSE/Regulatory Manager
5057 Keller Springs Rd., Ste 650
Addison, TX 75001
P: 972.707.2595
C: 918.346.7350

OSE DTI SEP 12 2023 PM 1:15



From: James Smith

Sent: Tuesday, August 29, 2023 11:04 AM

To: stucker@blm.gov

Subject: Sharbro line leak - monitoring well installation notification

Good morning Shelly.

We are planning to install a monitoring well in order to sample ground water in the vicinity of the line leak we had in November 2022. Please find our plan attached along with information of what has been done to date.

Thank you.

James Smith | HSE/Regulatory Manager

5057 Keller Springs Rd., Ste 650

Addison, TX 75001

P: 972.707.2595

C: 918.346.7350



DOE DOT SEP 12 2023 PM 1:15

OFFICE OF THE STATE ENGINEER/INTERSTATE STREAM COMMISSION – ROSWELL OFFICE

OFFICIAL RECEIPT NUMBER: 2 - 46198 DATE: 09-12-2023 FILE NO.:
TOTAL: 5.00 RECEIVED: Five DOLLARS CHECK NO.: CASH: ✓
PAYOR: Terman/Kyle Norman ADDRESS: 2620 W. Marland City: Hobbs STATE: N.M.
ZIP: 88240 RECEIVED BY: NUT Blvd.

INSTRUCTIONS: Indicate the number of actions to the left of the appropriate type of filing. Complete the receipt information. Original to payor; pink copy to Program Support/ASD; and yellow copy for Water Rights. If a mistake is made, void the original and all copies and submit to Program Support/ASD as part of your daily deposit.

A. Ground Water Filing Fees

1. Change of Ownership of Water Right	\$ 2.00
2. Application to Appropriate or Supplement Domestic 72-12-1 Well	\$ 125.00
3. Application to Repair or Deepen 72-12-1 Well	\$ 75.00
4. Application for Replacement 72-12-1 Well	\$ 75.00
5. Application to Change Purpose of Use 72-12-1 Well	\$ 75.00
6. Application for Stock Well/Temp. Use	\$ 5.00

7. Application to Appropriate Irrigation, Municipal, or Commercial Use	\$ 25.00
8. Declaration of Water Right	\$ 1.00
9. Application for Additional Point of Diversion Non 72-12-1 Per Well	\$ 25.00
10. Application to Change Place or Purpose of Use Non 72-12-1 Well	\$ 25.00
11. Application to Change Point of Diversion and Place and/or Purpose of Use from Surface Water to Ground Water	\$ 50.00
12. Application to Change Point of Diversion and Place and/or Purpose of Use from Ground Water to Ground Water	\$ 50.00
13. Application to Change Point of Diversion of Non 72-12-1 Well	\$ 25.00
14. Application to Repair or Deepen Non 72-12-1 Well	\$ 5.00

15. Application for Test, Expl. Observ. Well	\$ 5.00
16. Application for Extension of Time	\$ 25.00
17. Proof of Application to Beneficial Use	\$ 25.00
18. Notice of Intent to Appropriate	\$ 25.00

B. Surface Water Filing Fees

1. Change of Ownership of a Water Right	\$ 5.00
2. Declaration of Water Right	\$ 10.00
3. Amended Declaration	\$ 25.00
4. Application to Change Point of Diversion and Place and/or Purpose of Use from Surface Water to Surface Water	\$ 200.00
5. Application to Change Point of Diversion and Place and/or Purpose of Use from Ground Water to Surface Water	\$ 200.00
6. Application to Change Point of Diversion	\$ 100.00
7. Application to Change Place and/or Purpose of Use	\$ 100.00
8. Application to Appropriate Notice of Intent to Appropriate	\$ 25.00
9. Application for Extension of Time	\$ 25.00
10. Supplemental Well to a Surface Right	\$ 50.00
11. Return Flow Credit	\$ 100.00
12. Proof of Completion of Works	\$ 25.00
13. Proof of Application of Water to Beneficial Use	\$ 25.00
14. Water Development Plan	\$ 100.00
15. Declaration of Livestock Water Impoundment	\$ 10.00
16. Application for Livestock Water Impoundment	\$ 10.00

C. Well Driller Fees

1. Application for Well Driller's License	\$ 50.00
2. Application for Renewal of Well Driller's License	\$ 50.00
3. Application to Amend Well Driller's License	\$ 50.00

D. Reproduction of Documents

@ 0.25¢	\$
Map(s) @ \$3.00	\$

E. Certification

	\$
	\$

F. Other**G. Comments:**

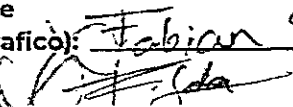
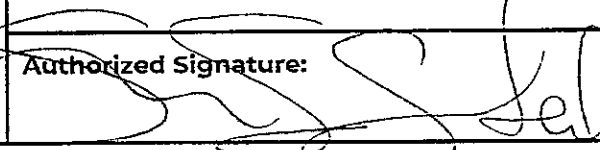
Mail

All fees are non-refundable.

Appendix B – Manifests

**LEA LAND, LLC SURFACE WASTE LANDFILL**

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

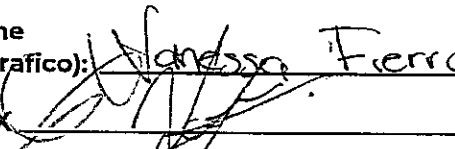
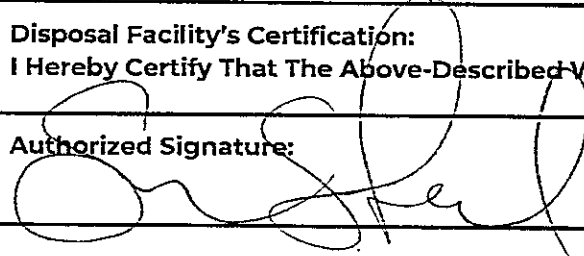
NON-HAZARDOUS WASTE MANIFEST		No. 200171	Trailer No. MEDINA 08		
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705		Disposal Date: 01-16-2024 09:41 AM
	Phone: (432) 413-3601				
	Name Or Description Of Waste Shipped:				
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt				
	Weight (lbs): 21620, 20440, 17360, 19980				
TRANSPORTER	Lease/Job Name: 5005 NM TRUNK LINE				
	Generator's Representative: Lynn Hyman				
	Name: Tasman Inc.				
	Emergency Contact: Kyle Norman				
	Emergency Contact Phone: (575) 318-5017				
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material				
	Printed/Typed Name (Impreso/Mecanografico): Fabian Santana				
	Signature (Firma): X  Date: 01-16-2024 09:41 AM				
	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM		(575) 887-4048
	Permit No: NM-1-0035-New Mexico		Comments:		
DISPOSAL FACILITY	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
	Authorized Signature: 		Unit No: IIA	Date: 01-16-2024	Time: 09:41 AM

LEA LAND, LLC

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

**LEA LAND, LLC SURFACE WASTE LANDFILL**

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

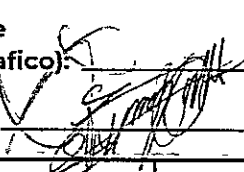
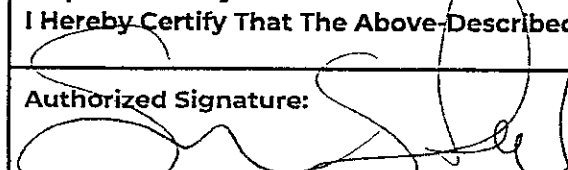
NON-HAZARDOUS WASTE MANIFEST		No. 200193	Trailer No. SOL1009		
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705		Disposal Date: 01-16-2024 01:52 PM
	Phone: (432) 413-3601				
	Name Or Description Of Waste Shipped:				
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt				
	Weight (lbs): 20780, 21120				
TRANSPORTER	Lease/Job Name: 5005 NM TRUNK LINE				
	Generator's Representative: Lynn Hyman				
	Name: Tasman Inc.				
	Emergency Contact: Kyle Norman				
	Emergency Contact Phone: (575) 318-5017				
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material				
	Printed/Typed Name (Impreso/Mecanografico): Vanessa Fierro				
	Signature (Firma): X  Date: 01-16-2024 01:52 PM				
	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM		(575) 887-4048
	Permit No: NM-1-0035-New Mexico		Comments:		
DISPOSAL FACILITY	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
	Authorized Signature: 		Unit No: IIA	Date: 01-16-2024	Time: 01:52 PM

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



LEA LAND, LLC SURFACE WASTE LANDFILL

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

NON-HAZARDOUS WASTE MANIFEST		No. 200192	Trailer No. SOL 101	
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705	
	Phone: (432) 413-3601		Disposal Date: 01-16-2024 01:44 PM	
	Name Or Description Of Waste Shipped:			
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt			
	Weight (lbs): 22000, 19220			
TRANSPORTER	Lease/Job Name: 5005 NM TRUNK LINE			
	Generator's Representative: Lynn Hyman			
	Name: Tasman Inc.			
	Emergency Contact: Kyle Norman			
	Emergency Contact Phone: (575) 318-5017			
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material			
	Printed/Typed Name (Impreso/Mecanografico):			
	Signature (Firma): X 		Date: 01-16-2024 01:44 PM	
	Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM		(575) 887-4048
	Permit No: NM-1-0035-New Mexico	Comments:		
Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
Authorized Signature: 		Unit No: IIA	Date: 01-16-2024	Time: 01:44 PM

LEA LAND, LLC
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**LEA LAND, LLC SURFACE WASTE LANDFILL**

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

NON-HAZARDOUS WASTE MANIFEST		No. 200189	Trailer No. JR 04		
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705		Disposal Date: 01-16-2024 12:08 PM
	Phone: (432) 413-3601				
	Name Or Description Of Waste Shipped:				
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt				
	Weight (lbs): 206040, 20840, 21260				
TRANSPORTER	Lease/Job Name: 5005 NM TRUNK LINE				
	Generator's Representative: Lynn Hyman				
	Name: Tasman Inc.				
	Emergency Contact: Kyle Norman				
	Emergency Contact Phone: (575) 318-5017				
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material				
	Printed/Typed Name (Impreso/Mecanografico): <u>Norl Velazquez</u>				
	Signature (Firma): <u>[Signature]</u> Date: 01-16-2024 12:08 PM				
	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM		(575) 887-4048
	Permit No: NM-1-0035-New Mexico		Comments:		
DISPOSAL FACILITY	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
	Authorized Signature: <u>[Signature]</u>		Unit No: IIA	Date: 01-16-2024	Time: 12:08 PM

LEA LAND, LLC
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**LEA LAND, LLC SURFACE WASTE LANDFILL**

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

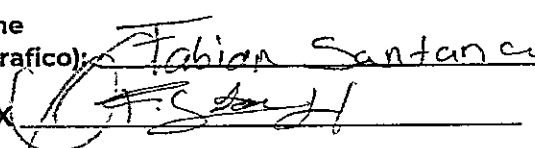
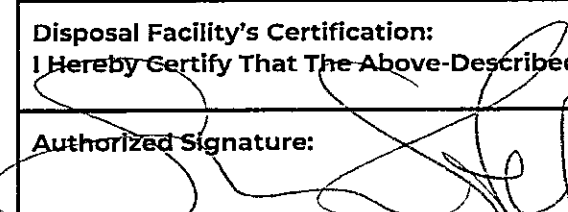
NON-HAZARDOUS WASTE MANIFEST		No. 200184	Trailer No. JR 01		
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705		Disposal Date: 01-16-2024 11:13 AM
	Phone: (432) 413-3601				
	Name Or Description Of Waste Shipped: —				
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt				
	Weight (lbs): 21,180, 11,740, 18,200				
TRANSPORTER	Lease/Job Name: 5005 NM TRUNK LINE				
	Generator's Representative: Lynn Hyman				
	Name: Tasman Inc.				
	Emergency Contact: Kyle Norman				
	Emergency Contact Phone: (575) 318-5017				
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material				
	Printed/Typed Name (Impreso/Mecanografico): <u>Leonardo Caro</u>				
	Signature (Firma): X <u>Leonardo Caro</u> Date: 01-16-2024 11:13 AM				
	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM		(575) 887-4048
	Permit No: NM-1-0035-New Mexico		Comments:		
DISPOSAL FACILITY	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
	Authorized Signature: <u>[Signature]</u>		Unit No: 11A	Date: 01-16-2024	Time: 11:13 AM

LEA LAND, LLC

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**LEA LAND, LLC SURFACE WASTE LANDFILL**

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

NON-HAZARDOUS WASTE MANIFEST		No. 200220	Trailer No. MEDINA 08		
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705		Disposal Date: 01-17-2024 09:41 AM
	Phone: (432) 413-3601				
	Name Or Description Of Waste Shipped:				
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt				
	Weight (lbs): 22320, 23640				
TRANSPORTER	Lease/Job Name: 5005 NM TRUNK LINE				
	Generator's Representative: Lynn Hyman				
	Name: Tasman Inc.				
	Emergency Contact: Kyle Norman				
	Emergency Contact Phone: (575) 318-5017				
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material				
	Printed/Typed Name (Impreso/Mecanografico): Fabian Santana				
	Signature (Firma): X  Date: 01-17-2024 09:41 AM				
	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM		(575) 887-4048
	Permit No: NM-1-0035-New Mexico		Comments:		
DISPOSAL FACILITY	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
	Authorized Signature: 		Unit No: IIA	Date: 01-17-2024	Time: 09:41 AM

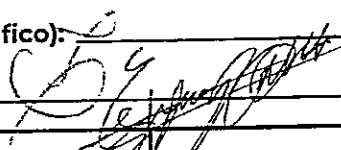
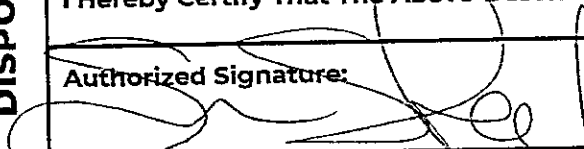
LEA LAND, LLC

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



LEA LAND, LLC SURFACE WASTE LANDFILL

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

NON-HAZARDOUS WASTE MANIFEST		No. 200222	Trailer No. SOL101	
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705	
	Phone: (432) 413-3601		Disposal Date: 01-17-2024 09:46 AM	
	Name Or Description Of Waste Shipped:			
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt			
	Weight (lbs): 24240, 30880			
TRANSPORTER	Lease/Job Name: 5005 NM TRUNK LINE			
	Generator's Representative: Lynn Hyman			
	Name: Tasman Inc.			
	Emergency Contact: Kyle Norman			
	Emergency Contact Phone: (575) 318-5017			
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material			
	Printed/Typed Name (Impreso/Mecanografico):			
	Signature (Firma): X 			Date: 01-17-2024 09:46 AM
	Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM		(575) 887-4048
	Permit No: NM-1-0035-New Mexico	Comments:		
Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
Authorized Signature: 		Unit No: IIA	Date: 01-17-2024	Time: 09:46 AM

LEA LAND, LLC

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



LEA LAND, LLC SURFACE WASTE LANDFILL

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

NON-HAZARDOUS WASTE MANIFEST		No. 200226	Trailer No. SOL 102	
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705	
	Phone: (432) 413-3601		Disposal Date: 01-17-2024 09:56 AM	
	Name Or Description Of Waste Shipped:			
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt			
	Weight (lbs): 23580, 22780			
TRANSPORTER	Lease/Job Name: 5005 NM TRUNK LINE			
	Generator's Representative: Lynn Hyman			
	Name: Tasman Inc.			
	Emergency Contact: Kyle Norman			
	Emergency Contact Phone: (575) 318-5017			
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material			
	Printed/Typed Name (Impreso/Mecanografico): <u>Manessa Ferro</u>			
	Signature (Firma): X <u>[Signature]</u> Date: 01-17-2024 09:56 AM			
	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM	
	Permit No: NM-1-0035-New Mexico		Comments:	
DISPOSAL FACILITY	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.			
	Authorized Signature: <u>[Signature]</u>		Unit No: IIA	Date: 01-17-2024
			Time: 09:56 AM	

LEA LAND, LLC

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



LEA LAND, LLC SURFACE WASTE LANDFILL

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

NON-HAZARDOUS WASTE MANIFEST		No. 200241	Trailer No. C&S 10		
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705		Disposal Date: 01-17-2024 12:41 PM
	Phone: (432) 413-3601				
	Name Or Description Of Waste Shipped:				
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt				
	Weight (lbs): 21340				
TRANSPORTER	Lease/Job Name: 5005 NM TRUNK LINE				
	Generator's Representative: Lynn Hyman				
	Name: Tasman Inc.				
	Emergency Contact: Kyle Norman				
	Emergency Contact Phone: (575) 318-5017				
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material				
	Printed/Typed Name (Impreso/Mecanografico) <u>Tasman Norman</u>				
	Signature (Firma): X <u>Tasman Norman</u> Date: 01-17-2024 12:41 PM				
	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM		(575) 887-4048
	Permit No: NM-1-0035-New Mexico		Comments:		
DISPOSAL FACILITY	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
	Authorized Signature: <u>[Signature]</u>		Unit No: IIA	Date: 01-17-2024	Time: 12:41 PM

LEA LAND, LLC

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



LEA LAND, LLC SURFACE WASTE LANDFILL

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

NON-HAZARDOUS WASTE MANIFEST		No. 200039	Trailer No. DJ L 02	
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705	
	Phone: (432) 413-3601		Disposal Date: 01-10-2024 09:45 AM	
	Name Or Description Of Waste Shipped:			
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt			
	Weight (lbs): 17780, 21520, 19360			
TRANSPORTER	Lease/Job Name: 5005 - N.M TRUNK LINE			
	Generator's Representative: Lynn Hyman			
	Name: Tasman Inc.			
	Emergency Contact: Kyle Norman			
	Emergency Contact Phone: (575) 318-5017			
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material			
	Printed/Typed Name (Impreso/Mecanografico): <u>Edgar Guerrero</u>			
	Signature (Firma): <u>[Signature]</u> Date: 01-10-2024 09:45 AM			
	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM	
	Permit No: NM-1-0035-New Mexico		Comments:	
Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
Authorized Signature: <u>[Signature]</u>		Unit No: IIA	Date: 01-10-2024	Time: 09:45 AM

LEA LAND, LLC

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

**LEA LAND, LLC SURFACE WASTE LANDFILL**

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

NON-HAZARDOUS WASTE MANIFEST		No. 200043	Trailer No. DJ 177		
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705		Disposal Date: 01-10-2024 09:57 AM
	Phone: (432) 413-3601				
	Name Or Description Of Waste Shipped: <input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt				
	Weight (lbs): 21180, 20760, 23920				
	Lease/Job Name: 5005 - N.M TRUNK LINE				
Generator's Representative: Lynn Hyman					
TRANSPORTER	Name: Tasman Inc.				
	Emergency Contact: Kyle Norman				
	Emergency Contact Phone: (575) 318-5017				
	Transporter: Acknowledgment of Delivery of Material Printed/Typed Name (Impreso/Mecanografico): <u>Luis Fernando Delgado</u> Signature (Firma): <u>X Luis Fernando Delgado</u> Date: 01-10-2024 09:57 AM				
DISPOSAL FACILITY	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM		(575) 887-4048
	Permit No: NM-1-0035-New Mexico		Comments:		
	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
	Authorized Signature: 		Unit No: IIA	Date: 01-10-2024	Time: 09:57 AM

LEA LAND, LLC

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LEA LAND, LLC SURFACE WASTE LANDFILL

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

NON-HAZARDOUS WASTE MANIFEST		No. 200048	Trailer No. JTS 54	
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705	
	Phone: (432) 413-3601		Disposal Date: 01-10-2024 10:10 AM	
	Name Or Description Of Waste Shipped:			
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt			
	Weight (lbs): 21860, 22180, 19480			
TRANSPORTER	Lease/Job Name: 5005 - NM TRUNK LINE			
	Generator's Representative: Lynn Hyman			
	Name: Tasman Inc.			
	Emergency Contact: Kyle Norman			
	Emergency Contact Phone: (575) 318-5017			
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material			
	Printed/Typed Name (Impreso/Mecanografico): Jesus Sepulveda			
	Signature (Firma): X <i>[Signature]</i> Date: 01-10-2024 10:10 AM			
	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM	
	Permit No: NM-1-0035-New Mexico		Comments:	
DISPOSAL FACILITY	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.			
	Authorized Signature: <i>[Signature]</i>		Unit No: IIA	Date: 01-10-2024
			Time: 10:10 AM	

LEA LAND, LLC

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**LEA LAND, LLC SURFACE WASTE LANDFILL**

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

NON-HAZARDOUS WASTE MANIFEST		No. 200046	Trailer No. JP & SON 01		
GENERATOR	Company Name: DCP Midstream Phone: (432) 413-3601		Address: 10 Desta Dr., #400W Midland, TX 79705		Disposal Date: 01-10-2024 10:04 AM
	Name Or Description Of Waste Shipped: <input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt				
	Weight (lbs): 22820, 20940, 23200				
	Lease/Job Name: 5005 - N.M TRUNK LINE				
	Generator's Representative: Lynn Hyman				
TRANSPORTER	Name: Tasman Inc.				
	Emergency Contact: Kyle Norman				
	Emergency Contact Phone: (575) 318-5017				
	Transporter: Acknowledgment of Delivery of Material Printed/Typed Name (Impreso/Mecanografico): Juan Perez Signature (Firma): X <i>[Signature]</i> Date: 01-10-2024 10:04 AM				
DISPOSAL FACILITY	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM		(575) 887-4048
	Permit No: NM-1-0035-New Mexico		Comments:		
	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
	Authorized Signature: <i>[Signature]</i>		Unit No: IIA	Date: 01-10-2024	Time: 10:04 AM

LEA LAND, LLC

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**LEA LAND, LLC SURFACE WASTE LANDFILL**

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

NON-HAZARDOUS WASTE MANIFEST		No. 200047	Trailer No. AM 02		
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705		Disposal Date: 01-10-2024 10:07 AM
	Phone: (432) 413-3601				
	Name Or Description Of Waste Shipped:				
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt				
	Weight (lbs): 21260, 23860, 18520				
TRANSPORTER	Lease/Job Name: 5005 - NM TRUNK LINE				
	Generator's Representative: Lynn Hyman				
	Name: Tasman Inc.				
	Emergency Contact: Kyle Norman				
	Emergency Contact Phone: (575) 318-5017				
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material				
	Printed/Typed Name (Impreso/Mecanografico):				
	Signature (Firma): X <i>Adan M</i> Date: 01-10-2024 10:07 AM				
	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM		(575) 887-4048
	Permit No: NM-1-0035-New Mexico		Comments:		
DISPOSAL FACILITY	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
	Authorized Signature:		Unit No: IIA	Date: 01-10-2024	Time: 10:07 AM

LEA LAND, LLC

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LEA LAND, LLC SURFACE WASTE LANDFILL

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NON-HAZARDOUS WASTE MANIFEST		No. 200066	Trailer No. DJ 643	
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705	
	Phone: (432) 413-3601		Disposal Date: 01-11-2024 08:51 AM	
	Name Or Description Of Waste Shipped:			
	<input type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt			
	Weight (lbs): 23000			
TRANSPORTER	Lease/Job Name: 5005 - N.M TRUNK LINE			
	Generator's Representative: Lynn Hyman			
	Name: Tasman Inc.			
	Emergency Contact: Kyle Norman			
	Emergency Contact Phone: (575) 318-5017			
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material			
	Printed/Typed Name (Impreso/Mecanografico): <u>William Frausto</u>			
	Signature (Firma): X <u>William Frausto</u> Date: 01-11-2024 08:51 AM			
	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM	
	Permit No: NM-1-0035-New Mexico		Comments:	
Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
Authorized Signature: <u>[Signature]</u>		Unit No: IIA	Date: 01-11-2024	Time: 08:51 AM

LEA LAND, LLC

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



LEA LAND, LLC SURFACE WASTE LANDFILL

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

NON-HAZARDOUS WASTE MANIFEST		No. 200063	Trailer No. DJ L 02	
GENERATOR	Company Name: DCP Midstream		Address: 10 Desta Dr., #400W Midland, TX 79705	
	Phone: (432) 413-3601		Disposal Date: 01-11-2024 08:40 AM	
	Name Or Description Of Waste Shipped:			
	<input checked="" type="checkbox"/> RCRA Exempt <input type="checkbox"/> RCRA Non-Exempt			
	Weight (lbs): 21,620			
TRANSPORTER	Lease/Job Name: 5005 - N.M TRUNK LINE			
	Generator's Representative: Lynn Hyman			
	Name: Tasman Inc.			
	Emergency Contact: Kyle Norman			
	Emergency Contact Phone: (575) 318-5017			
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material			
	Printed/Typed Name (Impreso/Mecanografico): <u>Edgar Lopez</u>			
	Signature (Firma): <u>[Signature]</u> Date: 01-11-2024 08:40 AM			
	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM	
	Permit No: NM-1-0035-New Mexico		Comments:	
Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
Authorized Signature: <u>[Signature]</u>		Unit No: IIA	Date: 01-11-2024	Time: 08:40 AM

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

Appendix C – Photographic Log

Foundation Energy Management

Sharbo 2 Flowline Release



Foundation Energy Management

Sharbo 2 Flowline Release



Foundation Energy Management

Sharbo 2 Flowline Release



Foundation Energy Management

Sharbo 2 Flowline Release



Foundation Energy Management

Sharbo 2 Flowline Release



Foundation Energy Management

Sharbo 2 Flowline Release



Appendix D – Certified Laboratory Analysis Report



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

January 18, 2024

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 5005 SHARBO 2 FLOWLINE

Enclosed are the results of analyses for samples received by the laboratory on 01/17/24 13:17.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' 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: 01/17/2024
 Reported: 01/18/2024
 Project Name: 5005 SHARBO 2 FLOWLINE
 Project Number: NAPP2316539496
 Project Location: NONE GIVEN

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 1 (H240197-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2024	ND	2.16	108	2.00	5.06	
Toluene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	4.91	
Ethylbenzene*	<0.050	0.050	01/17/2024	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	01/17/2024	ND	6.22	104	6.00	5.53	
Total BTEX	<0.300	0.300	01/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/18/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	192	96.1	200	0.918	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	197	98.5	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/17/2024
 Reported: 01/18/2024
 Project Name: 5005 SHARBO 2 FLOWLINE
 Project Number: NAPP2316539496
 Project Location: NONE GIVEN

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 2 (H240197-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2024	ND	2.16	108	2.00	5.06	
Toluene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	4.91	
Ethylbenzene*	<0.050	0.050	01/17/2024	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	01/17/2024	ND	6.22	104	6.00	5.53	
Total BTEX	<0.300	0.300	01/17/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/18/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2024	ND	192	96.1	200	0.918	
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	197	98.5	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/17/2024
 Reported: 01/18/2024
 Project Name: 5005 SHARBO 2 FLOWLINE
 Project Number: NAPP2316539496
 Project Location: NONE GIVEN

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 3 (H240197-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2024	ND	2.16	108	2.00	5.06	
Toluene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	4.91	
Ethylbenzene*	<0.050	0.050	01/17/2024	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	01/17/2024	ND	6.22	104	6.00	5.53	
Total BTEX	<0.300	0.300	01/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/18/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2024	ND	192	96.1	200	0.918	
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	197	98.5	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND					

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/17/2024
 Reported: 01/18/2024
 Project Name: 5005 SHARBO 2 FLOWLINE
 Project Number: NAPP2316539496
 Project Location: NONE GIVEN

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 4 (H240197-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2024	ND	2.16	108	2.00	5.06	
Toluene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	4.91	
Ethylbenzene*	<0.050	0.050	01/17/2024	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	01/17/2024	ND	6.22	104	6.00	5.53	
Total BTEX	<0.300	0.300	01/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/18/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	192	96.1	200	0.918	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	197	98.5	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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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

[illegible]

Relinquished By: <i>[Signature]</i>	Date: <i>1/17/24</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: <i>12:00</i>		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: <i>1/31/24</i>	Received By:	REMARKS:	
	Time:		email results: knorman@tasman-geo.com; bdennis@tasman-geo.com; lflores@tasman-geo.com	
Delivered By: (Circle One)		Sample Condition Cool	jsmith@foundationenergy.com	
Sampler - UPS - Bus - Other:	<i>-6.3°C</i>	Intact	<i>24 HR</i>	
	<i>#1410</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		<input type="checkbox"/> No <input type="checkbox"/> No		

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

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QUESTIONS

Action 320751

QUESTIONS

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID: 370740
	Action Number: 320751
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2316539496
Incident Name	NAPP2316539496 SHARBO 2 FLOWLINE VALVE BOX @ 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	SHARBO 2 FLOWLINE VALVE BOX
Date Release Discovered	11/22/2022
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: Equipment Failure Flow Line - Production Produced Water Released: 40 BBL Recovered: 0 BBL Lost: 40 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 320751

QUESTIONS (continued)

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID: 370740
	Action Number: 320751
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	False
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	This was an unconfined release from a valve box on a water transfer line.

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: James Smith Title: HSE-Regulatory Manager Email: jsmith@foundationenergy.com Date: 03/06/2024
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QUESTIONS, Page 3

Action 320751

QUESTIONS (continued)

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID:	370740
	Action Number:	320751
	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 75 and 100 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 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	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	192
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)	0.1
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	01/09/2024
On what date will (or did) the final sampling or liner inspection occur	01/17/2024
On what date will (or was) the remediation complete(d)	01/22/2024
What is the estimated surface area (in square feet) that will be reclaimed	2500
What is the estimated volume (in cubic yards) that will be reclaimed	2500
What is the estimated surface area (in square feet) that will be remediated	2024
What is the estimated volume (in cubic yards) that will be remediated	456

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 320751

QUESTIONS (continued)

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID:	370740
	Action Number:	320751
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Smith Title: HSE-Regulatory Manager Email: jsmith@foundationenergy.com Date: 03/06/2024
<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 320751

QUESTIONS (continued)

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID: 370740
	Action Number: 320751
	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 320751

QUESTIONS (continued)

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID:	370740
	Action Number:	320751
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	302973
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/17/2024
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	423

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	2500
What was the total volume (cubic yards) remediated	456
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	2500
What was the total volume (in cubic yards) reclaimed	240
Summarize any additional remediation activities not included by answers (above)	NA

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: James Smith Title: HSE-Regulatory Manager Email: jsmith@foundationenergy.com Date: 03/06/2024
--	--

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QUESTIONS, Page 7

Action 320751

QUESTIONS (continued)

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID: 370740
	Action Number: 320751
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 320751

CONDITIONS

Operator: FOUNDATION ENERGY MANAGEMENT, LLC 5057 KELLER SPRINGS RD ADDISON, TX 75001	OGRID: 370740
	Action Number: 320751
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	he remediation closure is approved. A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	3/18/2024