

ABOVEGROUND SPILL AMOUNT CALCULATION FORMULA

$$\text{Volume} = \frac{\text{Length of spill} \times \text{Width of spill} \times \text{Thickness of spill}}{5.61 \text{ cuft/bbl}}$$

HOW LONG (in FEET)	153	} Enter Spill Details Here
HOW WIDE (in FEET)	32	
HOW THICK (in INCHES)	0.5	

SPILL VOLUME IN BBLs **36.36**

SPILL VOLUME IN GALS **1527.3**

NOTE: Fractions of feet or inches need to be in decimals, ex. 1/2 is 0.5.

USE THIS CALCULATOR FOR ABOVEGROUND RELEASE VOLUMES
Includes fluids/mud/soil/etc. that is in containment or has not percolated down into the ground.



April 6, 2026

Environmental Bureau, EMNRD – Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico

Attn: Mr. Michael Buchanan
Email: michael.buchanan@emnrd.nm.gov

RE: Black Marlin Federal Com #214 – Site Sampling Plan
NMOCD Incident No. nAPP2523724530

Tasman, Inc. (Tasman) is submitting the following Site Sampling Plan for the Black Marlin Federal Com #214 (Site) release site on behalf of Civitas Resources (Civitas) at the request of the New Mexico Oil Conservation Division (NMOCD) by email on February 17, 2026.

Site Sampling Plan

On January 28, 2026, Civitas submitted the *Remediation Summary & Closure Report* for the above referenced site detailing remedial activities at the Site. On February 13, 2025, the NMOCD denied the closure request. Based on successive correspondence with the NMOCD, preparation of a sampling plan and additional site delineation were requested.

As the remedial excavation was backfilled on December 11, 2025, Tasman proposes to collect soil samples within the former excavation footprint utilizing a hand auger. The former excavation area will be divided into representative areas no greater than 200 square feet (sq ft). Within each representative area, five discrete sample locations will be advanced to the approximate depth of the former excavation base. Subsequently, soil from the five discrete locations within each representative area will be combined to form one composite sample. Soil samples will also be collected from the former excavation sidewalls to the extent practicable, at approximately one-half the depth of the former excavation base. Representative areas for each sidewall will be based upon the former excavation sidewall surface area, each area representing no greater than 200 sq ft.

Using a hand auger, discrete samples will be collected at ten locations for the purpose of horizontal delineation of chemicals of concern related to the incident. Samples will be collected from each location at surface then 1-foot intervals to terminal depth. Terminal depth will be four feet or auger refusal, whichever occurs first. The collected samples will be field screened for the presence of volatile organic compounds using a photoionization detector and for chlorides using a field titration kit. A minimum of two samples from each delineation sample point will be selected for laboratory analysis.

The attached Figure 1 illustrates both composite sample areas and approximate locations of discrete delineation samples. The final location of the discrete delineation sample points may be altered due to site conditions.

Each sample will be placed in laboratory-provided containers, properly labeled, and preserved on ice prior to shipment to a commercial analytical laboratory. Each sample will be submitted for analysis by the following:

- Chloride – EPA (Environmental Protection Agency) Method 300.



- 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 8260.

Upon receipt of laboratory analytical results, a revised remediation summary report will be provided documenting sampling activities. Analytical results will be compared to the applicable Table I criteria of 19.15.29.12 New Mexico Administrative Code (NMAC), the data will be evaluated to determine whether the extent of impacts has been adequately delineated. In accordance with 19.15.29.11(A)(5)(c) NMAC, site-specific conditions, including the demonstrated depth to groundwater greater than 100 feet, will be considered in evaluating the completeness of delineation.

Civitas and Tasman appreciate your continued support on this project. If you have any questions, please contact either of the below.

Regards,
Tasman, Inc.

Brett Dennis
Program Manager
bdennis@tasman-geo.com

Mason Jones
Permian Environmental Coordinator
mjones@civiresources.com

Attachments:

Figure 1 – Excavation Overview



DATE:	March 2026
DESIGNED BY:	C. Flores
DRAWN BY:	C. Flores



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

Civitas Permian Operating, LLC
Black Marlin Federal Com #214
UL "B" Sec. 18, T25S, R36E
Lea County, New Mexico

Sampling Plan Overview

Figure
1

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 571553

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 571553
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2523724530
Incident Name	NAPP2523724530 BLACK MARLIN FEDERAL COM #214 @ FAPP2126030240
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2126030240] BLACK MARLIN CTB

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	BLACK MARLIN FEDERAL COM #214
Date Release Discovered	08/24/2025
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Separator Crude Oil Released: 3 BBL Recovered: 3 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 33 BBL Recovered: 33 BBL Lost: 0 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 571553

QUESTIONS (continued)

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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.
<i>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.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Mason Jones Title: c-Environmental Specialist Email: mjones@civiresources.com Date: 04/06/2026
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QUESTIONS, Page 3

Action 571553

QUESTIONS (continued)

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QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<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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CONDITIONS

Action 571553

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CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The site sampling plan for horizontal delineation is approved to include the following conditions of approval (COAs): 1. Based on the site sampling diagram for the proposed delineation sample locations, these are farther than 10 feet from the area of concern. Delineation samples must be collected within a few feet from the release to define the edge of the release at surface to 100 mg/Kg for TPH and 600 mg/Kg for chlorides, 50 mg/Kg for BTEX and 10 mg/Kg for benzene. 2. Closer delineation samples must be collected as these are too far away from the excavation areas.	4/8/2026