

State of Colorado Oil and Gas Conservation Commission

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OGCC RECEPTION Receive Date: 07/14/2021 Document Number: 402747323

Produced Water Transfer System

The Flowline Report, Form 44, shall be submitted to register, report realignment, report removal from service, provide pre-abandonment notices, or report abandonment of Off-Location Flowlines, Flowline Systems, Produced Water Transfer Systems, or Crude Oil Transfer Lines or Systems as required by the 1100 Series Rules. The Form 44 shall also be submitted to register, report realignment, or report abandonment of Domestic Taps, and to report Grade 1 Gas Leaks from Flowlines per Rules 610 and 906.

Operator Information

OGCC Operator Number: 10456 Contact Person: Kristine Mize-Spansky Company Name: CAERUS PICEANCE LLC Phone: (720) 8806368 Address: 1001 17TH STREET #1600 Email: kmizespansky@caerusoilandgas.com City: DENVER State: CO Zip: 80202 Is the Operator a Tier One member of the Utility Notification Center of Colorado (CO811) that participates in Colorado's One Call notification system? Yes [X] No [ ]

PRODUCED WATER TRANSFER SYSTEM

PRODUCED WATER TRANSFER SYSTEM IDENTIFICATION

Facility ID: 477170 Transfer System Name: Bull Fork Water System Action Type: Realignment Estimated Daily Transfer Volume: 312 barrels Financial Assurance Rule 712 Facility Surety ID: 20190120

PRODUCED WATER TRANSFER SYSTEM REGISTRATION

Planned Construction Date: 08/01/2009 A representative legal location and associated latitude and longitude near the center of the transfer system. County: RIO BLANCO Qtr Qtr: NENE Section: 2 Township: 4S Range: 98W Meridian: 6 Latitude: 39.734968 Longitude: -108.349459 GPS Quality Value: 2.3 Type of GPS Quality Value: PDOP Measurement Date: 10/18/2019

PRODUCED WATER TRANSFER LINE AS-BUILT

Date Produced Water Transfer Line was Placed into Service: Pipe Description and Testing Type of Fluid Transferred: Produced Water Pipe Material: Standard Dimension Ratio: (for HDPE pipe only) Max outer Diameter (inches): Wall Thickness: Weight (lb/ft): Grade: Coating: Pipe Material: Burial Depth: Max Anticipated Operating PSI: Testing Pressure: Test Date:

Description of Corrosion Protection:

In areas with declines in gas and water volumes, Caerus typically batch treats wells and water lines with chemicals to mitigate corrosion. Gas lines are downstream of separation, minimizing corrosion potential. Coupons are placed at key points in water/liquids lines. Gathering lines are pigged and regular water analyses are analyzed to determine if updates are needed to the mitigation program.

Description of Integrity Management Program:

Caerus' Integrity Management Program incorporates pipeline testing, analysis and corrosion mitigation methods, which include pressure testing, pressure monitoring, and when possible, in-line inspection or other technologies to assess pipeline integrity. In-line inspection has been successful at identifying corrosion prior to line failures. The Integrity Management Team is continually researching new technologies and how they may fit within the program. Chemical residuals and corrosion coupons are used to determine chemical levels in the pipeline system. Data is collected, validated and analyzed by the Integrity Team. Corrosion mitigation methods may include chemical treatment, mechanical cleaning, physical barriers or where feasible, alternative materials. Caerus is implementing software to model corrosion rates on lines where in-line inspection data is present.

**Description of the construction method used for public by-ways, road crossings, sensitive wildlife habitats, sensitive areas, and natural and manmade watercourses (i.e., open trench, bored and cased, or bored only), if applicable.**

Caerus does not frequently bore under sensitive areas or public by-ways and does not typically utilize pipeline casings in regular construction. However, when required, Caerus references applicable federal, state and local regulations or industry standards for guidance regarding pipeline design.

**PRODUCED WATER TRANSFER SYSTEM REALIGNMENT**

Date: 07/07/2021

Description of Realignment:

Quarterly updates to system. Generally minor changes identified by Line locators.

**OPERATOR COMMENTS AND SUBMITTAL**

Comments Quarterly updates to system. Generally minor changes identified by Line locators.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: \_\_\_\_\_ Date: 07/14/2021 Email: kmizespansky@caerusoilandgas.com

Print Name: Kristine Mize-Spansky Title: Integrity Management/GIS

Based on the information provided herein, this Flowline Report complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved:  **Director of COGCC** Date: 10/14/2021

## Conditions of Approval

**COA Type**

**Description**

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## Attachment Check List

**Att Doc Num**

**Name**

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|-----------|--|
| 402747323 | Form44 Submitted                       |
| 402747333 | PRODUCED WATER TRANSFER SYSTEM GIS SHP |

Total Attach: 2 Files

## General Comments

**User Group**

**Comment**

**Comment Date**

|  |  | Stamp Upon<br>Approval |
|--|--|------------------------|

Total: 0 comment(s)