

State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



OGCC RECEPTION Receive Date: 08/12/2020 Document Number: 402444934

Off-Location Flowline

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

Operator Information

OGCC Operator Number: 10112 Contact Person: Alyssa Beard Company Name: FOUNDATION ENERGY MANAGEMENT LLC Phone: (303) 244-8114 Address: 5057 KELLER SPRINGS RD STE 650 Email: FORM44@FOUNDATIONENERGY.COM City: ADDISON State: TX Zip: 75001 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 [ ]

OFF LOCATION FLOWLINE

FLOWLINE ENDPOINT LOCATION IDENTIFICATION

Location ID: 455471 Location Type: Production Facilities Name: Sooner North TB Number: County: WELD Qtr Qtr: NENW Section: 21 Township: 8N Range: 58W Meridian: 6 Latitude: 40.652124 Longitude: -103.870115

Description of Corrosion Protection

Corrosion mitigation methods may include chemical treatment, mechanical cleaning, physical barriers, or where feasible, alternative materials.

Description of Integrity Management Program

Foundation incorporates monthly AVOs and pressure testing to ensure flowline integrity.

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.

Foundation does not bore under sensitive areas or public by-ways; not applicable.

FLOWLINE FACILITY INFORMATION

Flowline Facility ID: 467465 Flowline Type: Wellhead Line Action Type: Abandonment Verification

OFF LOCATION FLOWLINE REGISTRATION

Equipment at End Point Riser: Heater Treater

Flowline Start Point Location Identification

Location ID: 330509 Location Type: Well Site [ ] Name: SOONER UNIT-68N58W Number: 21SENW

County: WELD

No Location ID

Qtr Qtr: SENW Section: 21 Township: 8N Range: 58W Meridian: 6

Latitude: 40.647770 Longitude: -103.869530

Equipment at Start Point Riser: Well

**Flowline Description and Testing**

Type of Fluid Transferred: Multiphase Pipe Material: Carbon Steel Max Outer Diameter:(Inches) 3.000

Bedding Material: Native Materials Date Construction Completed: 11/01/1996

Maximum Anticipated Operating Pressure (PSI): 100 Testing PSI: \_\_\_\_\_

Test Date: \_\_\_\_\_

**OFF LOCATION FLOWLINE Abandonment Verification**

Date: 06/25/2020

**Abandonment Verification**

The abandoned Off-Location Flowline was located within the jurisdiction(s) of the following local government(s).

| Jurisdiction | County | Municipality |
|--------------|--------|--------------|
| County       | WELD   |              |

**Description of Abandonment Verification:**

The OLF was abandoned in place per COGCC 1105.d.(2)D. Removal of this flowline would have cause significant damage to vegetation. The path of the flowline cuts across grassland used for grazing. Foundation actively tries to mitigate weeds in this area, but diffuse knapweed, Canada thistle, and field bindweed are already present nearby (see COGCC inspections). Weeds would germinate quickly in disturbed topsoil and the line is 4000+ feet long. The vegetation above the flowline has grown back in entirety since installation of the line in 1996. The flowline abandonment was completed according to Rule 1105 under the supervision of a Colorado registered 3rd party PE ensuring the following:

- 1)Evacuated the flowline of any hydrocarbons or produced water to ensure the line is safe and inert;
- 2)Depleted the flowline to atmospheric pressure;
- 3)Cut the flowline's risers to 3 feet below grade or to the depth of the flowline, whichever was shallower;
- 4)Sealed the ends of the flowline below grade.

**FLOWLINE FACILITY INFORMATION**

Flowline Facility ID: 467461 Flowline Type: Wellhead Line Action Type: Abandonment Verification

**OFF LOCATION FLOWLINE REGISTRATION**

Equipment at End Point Riser: Heater Treater

**Flowline Start Point Location Identification**

Location ID: 330359 Location Type: Well Site

Name: SOONER-68N58W Number: 21SESE

County: WELD No Location ID

Qtr Qtr: SESE Section: 21 Township: 8N Range: 58W Meridian: 6

Latitude: 40.642990 Longitude: -103.860697

Equipment at Start Point Riser: Well

**Flowline Description and Testing**

Type of Fluid Transferred: Multiphase Pipe Material: Carbon Steel Max Outer Diameter:(Inches) 3.000

Bedding Material: Native Materials Date Construction Completed: 01/01/1995

Maximum Anticipated Operating Pressure (PSI): 100

Test Date: 06/08/2019**OFF LOCATION FLOWLINE Abandonment Verification**Date: 06/25/2020**Abandonment Verification**

The abandoned Off-Location Flowline was located within the jurisdiction(s) of the following local government(s).

| Jurisdiction | County | Municipality |
|--------------|--------|--------------|
| County       | WELD   |              |

**Description of Abandonment Verification:**

The OLF was abandoned in place per COGCC 1105.d.(2)D. Removal of this flowline would have caused significant damage to vegetation. The path of the flowline cuts across grassland used for grazing. Foundation actively tries to mitigate weeds in this area, but diffuse knapweed, Canada thistle, and field bindweed are already present nearby (see COGCC inspections). Weeds would germinate quickly in disturbed topsoil and the line is 1+ mile long. The vegetation above the flowline has grown back in entirety since installation of the line ~ 1995. The flowline abandonment was completed according to Rule 1105 under the supervision of a Colorado registered 3rd party PE ensuring the following:

- 1) Evacuated the flowline of any hydrocarbons or produced water to ensure the line is safe and inert;
- 2) Depleted the flowline to atmospheric pressure;
- 3) Cut the flowline's risers to 3 feet below grade or to the depth of the flowline, whichever was shallower;
- 4) Sealed the ends of the flowline below grade.

**FLOWLINE FACILITY INFORMATION**Flowline Facility ID: 467464 Flowline Type: Wellhead Line Action Type: Abandonment Verification**OFF LOCATION FLOWLINE REGISTRATION**Equipment at End Point Riser: Heater Treater**Flowline Start Point Location Identification**

Location ID: 330480 Location Type: Well Site

Name: SOONER UNIT-68N58W Number: 28SENW

County: WELD No Location ID

Qtr Qtr: SENW Section: 28 Township: 8N Range: 58W Meridian: 6

Latitude: 40.636360 Longitude: -103.868830

Equipment at Start Point Riser: Well**Flowline Description and Testing**

Type of Fluid Transferred: Multiphase Pipe Material: Carbon Steel Max Outer Diameter:(Inches) 3.000

Bedding Material: Native Materials Date Construction Completed: 03/01/1996

Maximum Anticipated Operating Pressure (PSI): 100 Testing PSI:

Test Date:

**OFF LOCATION FLOWLINE Abandonment Verification**Date: 06/25/2020**Abandonment Verification**

The abandoned Off-Location Flowline was located within the jurisdiction(s) of the following local government(s).

| Jurisdiction | County | Municipality |
|--------------|--------|--------------|
| County       | WELD   |              |

**Description of Abandonment Verification:**

The OLF was abandoned in place per COGCC 1105.d.(2)D. Removal of this flowline would have caused significant damage to vegetation. The path of the flowline cuts across grassland used for grazing. Foundation actively tries to mitigate weeds in this area, but diffuse knapweed, Canada thistle, and field bindweed are already present nearby (see COGCC inspections). Weeds would germinate quickly in disturbed topsoil and the line is 1+ mile long. The vegetation above the flowline has grown back in entirety since installation of the line in 1996. The flowline abandonment was completed according to Rule 1105 under the supervision of a Colorado registered 3rd party PE ensuring the following:

- 1) Evacuated the flowline of any hydrocarbons or produced water to ensure the line is safe;
- 2) Depleted the flowline to atmosphere pressure;
- 3) Cut the flowline's risers to 3 feet below grade or to the depth of the flowline, whichever was shallower;
- 4) Sealed the ends of the flowline below grade.

**FLOWLINE FACILITY INFORMATION**Flowline Facility ID: 467463 Flowline Type: Wellhead Line Action Type: Abandonment Verification**OFF LOCATION FLOWLINE REGISTRATION**Equipment at End Point Riser: Heater Treater**Flowline Start Point Location Identification**

Location ID: 323513 Location Type: Well Site   
 Name: SOONER UNIT-68N58W Number: 28SWNE  
 County: WELD No Location ID  
 Qtr Qtr: SWNE Section: 28 Township: 8N Range: 58W Meridian: 6  
 Latitude: 40.634660 Longitude: -103.865830

Equipment at Start Point Riser: Well**Flowline Description and Testing**

Type of Fluid Transferred: Multiphase Pipe Material: Carbon Steel Max Outer Diameter:(Inches) 3.000  
 Bedding Material: Native Materials Date Construction Completed: 01/01/1986  
 Maximum Anticipated Operating Pressure (PSI): 100 Testing PSI: \_\_\_\_\_  
 Test Date: \_\_\_\_\_

**OFF LOCATION FLOWLINE Abandonment Verification**

Date: 06/25/2020

**Abandonment Verification**

The abandoned Off-Location Flowline was located within the jurisdiction(s) of the following local government(s).

| Jurisdiction | County | Municipality |
|--------------|--------|--------------|
| County       | WELD   |              |

**Description of Abandonment Verification:**

The OLF was abandoned in place per COGCC 1105.d.(2)D. Removal of this flowline would have caused significant damage to vegetation. The path of the flowline cuts across grassland used for grazing. Foundation actively tries to mitigate weeds in this area, but diffuse knapweed, Canada thistle, and field bindweed are already present nearby (see COGCC inspections). Weeds would germinate quickly in disturbed topsoil and the line is 5898' feet long. The natural vegetation above the flowline has grown back in entirety since installation of the line. The flowline abandonment was completed according to Rule 1105 under the supervision of a Colorado registered 3rd party PE ensuring the following:

- 1)Evacuated the flowline of any hydrocarbons or produced water to ensure the line is safe and inert;
- 2)Depleted the flowline to atmosphere pressure;
- 3)Cut the flowline's risers to 3' below grade or to the depth of the flowline, whichever was shallower;
- 4)Sealed the ends of the flowline below grade.

**FLOWLINE FACILITY INFORMATION**

Flowline Facility ID: 467462 Flowline Type: Wellhead Line Action Type: Abandonment Verification

**OFF LOCATION FLOWLINE REGISTRATION**

Equipment at End Point Riser: Heater Treater

**Flowline Start Point Location Identification**

Location ID: 323740 Location Type: Well Site    
 Name: SOONER UNIT-68N58W Number: 16SWSW   
 County: WELD No Location ID   
 Qtr Qtr: SWSW Section: 16 Township: 8N Range: 58W Meridian: 6   
 Latitude: 40.656450 Longitude: -103.875257

Equipment at Start Point Riser: Well

**Flowline Description and Testing**

Type of Fluid Transferred: Multiphase Pipe Material: Carbon Steel Max Outer Diameter:(Inches) 3.000   
 Bedding Material: Native Materials Date Construction Completed: 05/18/1987   
 Maximum Anticipated Operating Pressure (PSI): 100 Testing PSI:                        
 Test Date:

**OFF LOCATION FLOWLINE Abandonment Verification**Date: 06/25/2020**Abandonment Verification**

The abandoned Off-Location Flowline was located within the jurisdiction(s) of the following local government(s).

| Jurisdiction | County | Municipality |
|--------------|--------|--------------|
| County       | WELD   |              |

**Description of Abandonment Verification:**

A portion of the OLF was abandoned in place per COGCC 1105.d.(2)D. Removal of the entire flowline would have caused significant damage to vegetation. The section of the line located on land belonging to the CO State Land Board was removed at their request. The flowline abandonment in place was completed according to Rule 1105 under the supervision of a CO registered 3rd party PE ensuring the following:

- 1)Evacuated the flowline of any hydrocarbons or produced water to ensure the line is safe and inert;
- 2)Depleted the flowline to atmospheric pressure;
- 3)Cut the flowline's risers to three feet below grade or to the depth of the flowline, whichever was shallower;
- 4)Sealed the ends of the flowline below grade.

**FLOWLINE FACILITY INFORMATION**

Flowline Facility ID: 467459 Flowline Type: Wellhead Line Action Type: Abandonment Verification

**OFF LOCATION FLOWLINE REGISTRATION**Equipment at End Point Riser: Heater Treater**Flowline Start Point Location Identification**

Location ID: 323773 Location Type: Well Site   
 Name: SOONER UNIT-68N58W Number: 21NWNW  
 County: WELD No Location ID  
 Qtr Qtr: NWNW Section: 21 Township: 8N Range: 58W Meridian: 6  
 Latitude: 40.652900 Longitude: -103.875040

Equipment at Start Point Riser: Well**Flowline Description and Testing**

Type of Fluid Transferred: Multiphase Pipe Material: Carbon Steel Max Outer Diameter:(Inches) 4.000  
 Bedding Material: Native Materials Date Construction Completed: 01/01/1987  
 Maximum Anticipated Operating Pressure (PSI): 100 Testing PSI: \_\_\_\_\_  
 Test Date: \_\_\_\_\_

**OFF LOCATION FLOWLINE Abandonment Verification**Date: 06/25/2020**Abandonment Verification**

The abandoned Off-Location Flowline was located within the jurisdiction(s) of the following local government(s).

| Jurisdiction | County | Municipality |
|--------------|--------|--------------|
| County       | WELD   |              |

**Description of Abandonment Verification:**

The OLF was abandoned in place per COGCC 1105.d.(2)D. Removal of this flowline would have caused significant damage to vegetation. The path of the flowline cuts across grassland used for grazing. Foundation actively tries to mitigate weeds in this area, but diffuse knapweed, Canada thistle, and field bindweed are already present nearby (see COGCC inspections). Weeds would germinate quickly in disturbed topsoil and the line is 1477' long. The vegetation above the flowline has grown back in entirety since installation of the line in 1987. The flowline abandonment was completed according to Rule 1105 under the supervision of a Colorado registered 3rd party PE ensuring the following:

- 1)Evacuated the flowline of any hydrocarbons or produced water to ensure the line is safe and inert;
- 2)Depleted the flowline to atmospheric pressure;
- 3)Cut the flowline's risers to 3 feet below grade or to the depth of the flowline, whichever was shallower;
- 4)Sealed the ends of the flowline below grade.

**FLOWLINE FACILITY INFORMATION**Flowline Facility ID: 467407 Flowline Type: Wellhead Line Action Type: Abandonment Verification**OFF LOCATION FLOWLINE REGISTRATION**Equipment at End Point Riser: Heater Treater**Flowline Start Point Location Identification**

Location ID: 327558 Location Type: Well Site   
 Name: SOONER UNIT-68N58W Number: 21SWNW  
 County: WELD No Location ID  
 Qtr Qtr: SWNW Section: 21 Township: 8N Range: 58W Meridian: 6  
 Latitude: 40.649820 Longitude: -103.874373

Equipment at Start Point Riser: Well**Flowline Description and Testing**

Type of Fluid Transferred: Multiphase Pipe Material: Carbon Steel Max Outer Diameter:(Inches) 3.000  
 Bedding Material: Native Materials Date Construction Completed: 02/18/1992  
 Maximum Anticipated Operating Pressure (PSI): 100 Testing PSI: \_\_\_\_\_  
 Test Date: \_\_\_\_\_

**OFF LOCATION FLOWLINE Abandonment Verification**Date: 06/25/2020**Abandonment Verification**

The abandoned Off-Location Flowline was located within the jurisdiction(s) of the following local government(s).

| Jurisdiction | County | Municipality |
|--------------|--------|--------------|
| County       | WELD   |              |

**Description of Abandonment Verification:**

The OLF was abandoned in place per COGCC 1105.d.(2)D. Removal of the flowline would have caused significant damage to vegetation. The path of the flowline cuts across grassland used for grazing. Foundation actively tries to mitigate weeds in this area, but diffuse knapweed, Canada thistle, and field bindweed are already present nearby (see COGCC inspection). Weeds would germinate quickly in disturbed topsoil and the line is 1448' long. The natural vegetation above the flowline has grown back in entirety since installation of the line (1992). The flowline abandonment was completed according to Rule 1105 under the supervision of a registered Colorado 3rd party PE ensuring the following:

- 1)Evacuated the flowline of any hydrocarbons or produced water to ensure the line is safe and inert;
- 2)Depleted the flowline to atmospheric pressure;
- 3)Cut the flowline's risers to 3' below grade or to the depth of the flowline, whichever was shallower;
- 4)Sealed the ends of the flowline below grade.

**FLOWLINE FACILITY INFORMATION**Flowline Facility ID: 467460 Flowline Type: Wellhead Line Action Type: Abandonment Verification**OFF LOCATION FLOWLINE REGISTRATION**Equipment at End Point Riser: Heater Treater**Flowline Start Point Location Identification**

Location ID: 327361 Location Type: Well Site   
 Name: SOONER UNIT-68N58W Number: 21SENW  
 County: WELD No Location ID  
 Qtr Qtr: SENW Section: 21 Township: 8N Range: 58W Meridian: 6  
 Latitude: 40.649590 Longitude: -103.870110

Equipment at Start Point Riser: Well**Flowline Description and Testing**

Type of Fluid Transferred: Multiphase Pipe Material: Carbon Steel Max Outer Diameter:(Inches) 4.000  
 Bedding Material: Native Materials Date Construction Completed: 06/01/1990  
 Maximum Anticipated Operating Pressure (PSI): 100 Testing PSI: \_\_\_\_\_  
 Test Date: \_\_\_\_\_

**OFF LOCATION FLOWLINE Abandonment Verification**

Date: 06/25/2020

**Abandonment Verification**

The abandoned Off-Location Flowline was located within the jurisdiction(s) of the following local government(s).

| Jurisdiction | County | Municipality |
|--------------|--------|--------------|
| County       | WELD   |              |

**Description of Abandonment Verification:**

The OLF was abandoned in place per COGCC 1105.d.(2)D. Removal of this flowline would have caused significant damage to vegetation. The path of the flowline cuts across grassland used for grazing. Foundation actively tries to mitigate weeds in this area, but diffuse knapweed, Canada thistle, and field bindweed are already present nearby (see COGCC inspections). Weeds would germinate quickly in disturbed topsoil and the line is 983' long. The natural vegetation above the flowline has grown back in entirety since installation of the line in 1990. The flowline abandonment was completed according to Rule 1105 under the supervision of a Colorado registered 3rd party PE ensuring the following;

- 1)Evacuated the flowline of any hydrocarbons or produced water to ensure the line is safe and inert;
- 2)Depleted the flowline to atmospheric pressure;
- 3)Cut the flowline's risers to 3' below grade or to the depth of the flowline, whichever was shallower;
- 4)Sealed the ends of the flowline below grade.

**OPERATOR COMMENTS AND SUBMITTAL**

Comments Abandonment in place was overseen by H2E incorporated.

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

Signed: \_\_\_\_\_ Date: 08/12/2020 Email: regulatory@foundationenergy.com

Print Name: Afton Iiams Title: HSE/Regulatory Technician

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: \_\_\_\_\_

## Conditions of Approval

**COA Type**

**Description**

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### Attachment Check List

**Att Doc Num**

**Name**

|           |                          |
|-----------|--------------------------|
| 402445109 | THIRD PARTY VERIFICATION |
| 402445114 | THIRD PARTY VERIFICATION |
| 402445124 | THIRD PARTY VERIFICATION |
| 402445126 | THIRD PARTY VERIFICATION |
| 402445127 | THIRD PARTY VERIFICATION |
| 402445129 | THIRD PARTY VERIFICATION |
| 402445130 | THIRD PARTY VERIFICATION |
| 402445132 | THIRD PARTY VERIFICATION |

Total Attach: 8 Files

### General Comments

**User Group**

**Comment**

**Comment Date**

|  |  |                     |
|--|--|---------------------|
|  |  | Stamp Upon Approval |
|--|--|---------------------|

Total: 0 comment(s)

