

State of Colorado Oil and Gas Conservation Commission

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OGCC RECEPTION Receive Date: 11/18/2019 Document Number: 402199760

Flowline System

The Flowline Report, Form 44, shall be submitted to register, report realignment, report removal from service, or report abandonment of Off-Location Flowlines, Domestic Taps, Crude Oil Transfer Lines, and Produced Water Transfer Systems as required by the 1100 Series Rules. The Form 44 shall also be submitted to report Grade 1 Gas Leaks from Flowlines per Rule 1104.k. To register Flowline Systems, the operator will use the Form 44 to request approval of a Rule 502.b variance from the requirements for Off-Location Flowline Registration per Rule 1101.a.(2).A.viii and 1101.a.(2).B.ii.

Operator Information

OGCC Operator Number: 100322 Contact Person: Craig Richardson Company Name: NOBLE ENERGY INC Phone: (303) 224-4232 Address: 1001 NOBLE ENERGY WAY Email: Denverregulatory@nblenergy.com City: HOUSTON State: TX Zip: 77070 Is the Operator a Tier One member of the Utility Notification Center of Colorado (UNCC) that participates in Colorado's One Call notification system? Yes [X] No []

FLOWLINE SYSTEM

FLOWLINE SYSTEM IDENTIFICATION

Facility ID Number: 469881 Flowline System Name: Noble Flowline System Jurisdiction: COGCC

FLOWLINE SYSTEM REGISTRATION

A representative legal location and associated latitude and longitude near the center of the Flowline System.

County: WELD Qtr Qtr: SWSW Section: 13 Township: 6N Range: 64W Meridian: 6 Latitude: 40.481021 Longitude: -104.506375 PDOP Reading: 1.4 Date of Measurement: 03/07/2019

FLOWLINE DESCRIPTION AND TESTING

Date Construction Completed: 10/22/2019 Pipe Material: Carbon Steel Bedding Material: Native Materials Max outer Diameter (inches): 3.000 Type of Fluid Transferred: Multiphase Max Anticipated Operating PSI: 3705 Testing Pressure: 3750 Test Date: 10/05/2019

Description of Corrosion Protection:

Prior to 2012: flowlines installed were of various specifications and standards and cathodic protection systems were an incompatible corrosion monitoring method. After 2012: flowlines are installed with a galvanic protection system utilizing anode beds and with adequate FBE (Fusion Bonded Epoxy) coating, inspected with a Holiday Detector.

Description of Integrity Management Program:

Prior to 2018: flowlines were pressure tested annually and given a visual inspection.
After 2018: flowlines are pressure tested upon installation and annually thereafter.
Sites are visually inspected monthly.
Cathodic protection testing is completed on flowlines annually.
Continuous pressure monitoring is utilized on flowlines to indicate large failures and flowlines are equipped with automatic emergency shutdown.

Construction method used for all public by-ways, road crossings, sensitive wildlife habitats, sensitive areas and natural and manmade watercourses (i.e., bored and cased or bored only)

All lines are installed through open trenching. In public byways, roadways and water courses, the lines are bored in a sleeve for single lines, or in a casing for multiple lines. Unless specifically required by the public byway, roadway or water course owners, corrosion protection (FBE Coating, anodes, annual pressure testing) is applied to each individual transport line but not to the bore sleeve or casing. Flowline alignments are evaluated for State and Federally sensitive wildlife and plant species.

OPERATOR COMMENTS AND SUBMITTAL

Comments Flowline construction before May 2017 consists of end points connected by a line feature. These end points are gathered per COGCC Rules 215-Global Positioning Systems. Flowline construction after May 2017 will be as-built survey quality.

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

Signed: _____ Date: 11/18/2019 Email: stephany.olsen@nblenergy.com

Print Name: Stephany Olsen Title: Regulatory Analyst

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: 12/13/2019

Attachment Check List

Att Doc Num	Name
402199760	Form44 Submitted
402238136	PRESSURE TEST
402242522	FLOWLINE SYSTEM GEODATABASE SHP

Total Attach: 3 Files