

FORM  
5A

Rev  
06/12

State of Colorado

Oil and Gas Conservation Commission

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



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Document Number:

401517246

Date Received:

01/22/2018

COMPLETED INTERVAL REPORT

The completed interval Report, Form 5A, shall be submitted within thirty (30) days of completing a formation (successful or not), when a formation is temporarily abandoned or permanently abandoned, for a recompletion, reperforation or restimulation, or when a formation is commingled. Fill out a section for each formation. Attach as many pages as required to fully describe the work. List in order of completion.

1. OGCC Operator Number: 69175

2. Name of Operator: PDC ENERGY INC

3. Address: 1775 SHERMAN STREET - STE 3000

City: DENVER State: CO Zip: 80203

4. Contact Name: Ally Ota

Phone: (303) 860-5800

Fax: (303) 831-3988

Email: Alexandria.Ota@pdce.com

5. API Number 05-123-44405-00

7. Well Name: Elbert

8. Location: QtrQtr: NWSW Section: 21 Township: 5N Range: 65W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 11N

### Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 10/23/2017 End Date: 11/11/2017 Date of First Production this formation: 01/04/2018  
Perforations Top: 7168 Bottom: 16594 No. Holes: 1944 Hole size: 42/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

56 Stage Plug and Perf, Perf'd from 7,268' - 16,480', 1 Toe Sleeve at 16,590'

Total Fluid: 202,763 bbls

Gel Fluid: 138,581 bbls

Slickwater Fluid: 62,976 bbls

15% HCl Acid: 1,206 bbls

Total Proppant: 10,544,900 lbs

Silica Proppant: 10,544,900 lbs

Method for determining flowback: measuring flowback tank volumes.

This formation is commingled with another formation: ☐ Yes ☒ No

Total fluid used in treatment (bbl): 202763

Max pressure during treatment (psi): 4783

Total gas used in treatment (mcf):

Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment:

Min frac gradient (psi/ft): 1.00

Total acid used in treatment (bbl): 1206

Number of staged intervals: 56

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 16019

Fresh water used in treatment (bbl): 201557

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 10544900

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

**Fracture stimulations must be reported on FracFocus.org**

### Test Information:

Date: 01/10/2018 Hours: 24 Bbl oil: 376 Mcf Gas: 1540 Bbl H2O: 206  
Calculated 24 hour rate: Bbl oil: 376 Mcf Gas: 1540 Bbl H2O: 206 GOR: 4096  
Test Method: Flowing Casing PSI: 2820 Tubing PSI: 1988 Choke Size: 16/64  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1320 API Gravity Oil: 52  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 7015 Tbg setting date: 12/22/2017 Packer Depth:

Reason for Non-Production:

Date formation Abandoned: Squeeze: ☐ Yes ☐ No If yes, number of sacks cmt

\*\* Bridge Plug Depth:

\*\* Sacks cement on top:

\*\* Wireline and Cement Job Summary must be attached.

Comment:

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

Signed: Print Name: Cassie Gonzalez

Title: Regulatory Contractor Date: 1/22/2018 Email: Cassie.Gonzalez@pdce.com

### Attachment Check List

Att Doc Num Name

401517246 FORM 5A SUBMITTED

Total Attach: 1 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Pass.	02/07/2018

Total: 1 comment(s)