

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



DE	ET	OE	ES
----	----	----	----

Document Number:

401012647

Date Received:

07/27/2018

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 05-123-40544-00

7. Well Name: Wiedeman

8. Location: QtrQtr: NWNW Section: 28 Township: 4N Range: 66W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 28E-202

### Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 02/16/2016 End Date: 02/22/2016 Date of First Production this formation: 03/09/2016  
Perforations Top: 7603 Bottom: 11454 No. Holes: 936 Hole size: 42/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

20 Stage Plug and Perf, Perf'd from 7,603'-11,321', 3 Toe Sleeves at 11,360'-11,450'

Total Fluid: 76,355 bbls

Gel Fluid: 49,007 bbls

Slickwater Fluid: 26,869 bbls

15% HCl Acid: 479 bbls

Total Proppant: 4,182,200 lbs

Silica Proppant: 4,182,200 lbs

Method for determining flowback: measuring flowback tank volumes.

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

Total fluid used in treatment (bbl): 76355

Max pressure during treatment (psi): 4519

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): 0.94

Total acid used in treatment (bbl): 479

Number of staged intervals: 20

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 176

Fresh water used in treatment (bbl): 75876

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 4182200

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

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

### Test Information:

Date: 03/28/2016 Hours: 24 Bbl oil: 216 Mcf Gas: 2657 Bbl H2O: 103  
Calculated 24 hour rate: Bbl oil: 216 Mcf Gas: 2657 Bbl H2O: 103 GOR: 12301  
Test Method: Flowing Casing PSI: 2899 Tubing PSI: 2706 Choke Size: 16/64  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1268 API Gravity Oil: 60  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 7195 Tbg setting date: 03/06/2016 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 Technician Date: 7/27/2018 Email: Cassie.Gonzalez@pdce.com

### Attachment Check List

Att Doc Num Name

401012647 FORM 5A SUBMITTED

Total Attach: 1 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Ready to approve.	08/13/2018
Permit	Return to draft for AOC settlement.	09/16/2016

Total: 2 comment(s)