

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:

401012596

Date Received:

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 05-123-40545-00

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: 28F-312

## 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: 03/11/2016  
Perforations Top: 7643 Bottom: 11546 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 7,643'-11,412', 3 Toe Sleeves at 11,453'-11,543'

Total fluid: 75,163 bbls

Gel Fluid: 50,591 bbls

Slickwater Fluid: 24,127 bbls

15% HCl Acid: 445 bbls

Total Proppant: 4,028,700 lbs

Silica Proppant: 4,028,700 lbs

Method for determining flowback: measuring flowback tank volumes.

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

Total fluid used in treatment (bbl): 75163

Max pressure during treatment (psi): 4416

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): 0.91

Total acid used in treatment (bbl): 445

Number of staged intervals: 20

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 246

Fresh water used in treatment (bbl): 74718

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 4028700

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

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

### Test Information:

Date: 03/26/2016 Hours: 24 Bbl oil: 236 Mcf Gas: 2052 Bbl H2O: 87  
Calculated 24 hour rate: Bbl oil: 236 Mcf Gas: 2052 Bbl H2O: 87 GOR: 8695  
Test Method: Flowing Casing PSI: 2952 Tubing PSI: 2838 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: 7230 Tbg setting date: 03/10/2016 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: Email: Cassie.Gonzalez@pdce.com

## Attachment Check List

Att Doc Num Name

Total Attach: 0 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)