

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:

400740164

Date Received:

03/12/2019

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 05-123-38277-00

7. Well Name: Guttersen

8. Location: QtrQtr: SESE Section: 31 Township: 3N Range: 63W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 31T-221

### Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 10/29/2014 End Date: 10/30/2014 Date of First Production this formation: 11/16/2014  
Perforations Top: 7152 Bottom: 11040 No. Holes: Hole size:

Provide a brief summary of the formation treatment:

Open Hole: ☒

16 Stage Sliding Sleeve, Swell Packer set @ 7,152'

Total Fluid: 73,251 bbls

Gel Fluid: 51,291 bbls

Slickwater Fluid: 21,960 bbls

Total Proppant: 4,225,580 lbs

Silica Proppant: 4,225,580 lbs

Method for determining flowback: measuring flowback tank volumes.

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

Total fluid used in treatment (bbl): 73251

Max pressure during treatment (psi): 4950

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): 1.05

Total acid used in treatment (bbl):

Number of staged intervals: 16

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 7775

Fresh water used in treatment (bbl): 73251

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 4225580

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

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

#### Test Information:

Date: 11/27/2014 Hours: 24 Bbl oil: 305 Mcf Gas: 273 Bbl H2O: 229  
Calculated 24 hour rate: Bbl oil: 305 Mcf Gas: 273 Bbl H2O: 229 GOR: 895  
Test Method: Flowing Casing PSI: 1124 Tubing PSI: 823 Choke Size: 16/64  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1368 API Gravity Oil: 41  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 6691 Tbg setting date: 11/13/2014 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: 3/12/2019 Email: Cassie.Gonzalez@pdce.com

### Attachment Check List

Att Doc Num Name

400740164 FORM 5A SUBMITTED

Total Attach: 1 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Ready to approve.	03/26/2019
Permit	Returned to draft for AOC settlement.	09/15/2016

Total: 2 comment(s)