

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:

401312088

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 Gale

Phone: (303) 831-3931

Fax: (303) 860-5838

Email: alexandria.gale@pdce.com

5. API Number 05-123-42067-00

7. Well Name: Sater

8. Location: QtrQtr: NWNW Section: 19 Township: 4N Range: 63W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 19E-203

## Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 06/13/2016 End Date: 06/20/2016 Date of First Production this formation: 06/28/2016  
Perforations Top: 6795 Bottom: 10931 No. Holes: 744 Hole size: 42/100

Provide a brief summary of the formation treatment: Open Hole: ☐

21 Stage Plug and Perf, Perf'd from 6795-10795, 3 Toe Sleeves from 10835-10931

Total Fluid: 120,392 bbls

Slickwater Fluid: 119,852 bbls

15% HCl Acid: 540 bbls

Total Proppant: 4,065,160 lbs

Silica Proppant: 4,065,160 lbs

Method for determining flowback: measuring flowback tank volumes

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

Total fluid used in treatment (bbl): 120392

Max pressure during treatment (psi): 4802

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): 0.97

Total acid used in treatment (bbl): 540

Number of staged intervals: 21

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 4653

Fresh water used in treatment (bbl): 119852

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 4065160

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

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

### Test Information:

Date: 07/08/2016 Hours: 24 Bbl oil: 468 Mcf Gas: 661 Bbl H2O: 256  
Calculated 24 hour rate: Bbl oil: 468 Mcf Gas: 661 Bbl H2O: 256 GOR: 1412  
Test Method: Flowing Casing PSI: 1973 Tubing PSI: 1568 Choke Size: 16/64  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1355 API Gravity Oil: 47  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 6669 Tbg setting date: 07/01/2016 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: Ally Gale

Title: Regulatory Tech Date: Email alexandria.gale@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)