

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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401519192

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 05-123-44329-00

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: 4N

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 09/25/2017 End Date: 10/05/2017 Date of First Production this formation: 12/06/2017
Perforations Top: 7151 Bottom: 17135 No. Holes: 2784 Hole size: 42/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

59 Stage Plug and Perf, Perf'd from 7,151'-16,968', 1 Wet Shoe Sub at 17,131'

Total Fluid: 201,448 bbls

Gel Fluid: 120,191 bbls

Slickwater Fluid: 80,458 bbls

15% HCl Acid: 799 bbls

Total Proppant: 11,091,000 lbs

Silica Proppant: 11,091,000 lbs

Method for determining flowback: measuring flowback tank volumes

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

Total fluid used in treatment (bbl): 201448

Max pressure during treatment (psi): 4480

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): 799

Number of staged intervals: 59

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 10196

Fresh water used in treatment (bbl): 200649

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 11091000

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 12/13/2017 Hours: 24 Bbl oil: 416 Mcf Gas: 1866 Bbl H2O: 322
Calculated 24 hour rate: Bbl oil: 416 Mcf Gas: 1866 Bbl H2O: 322 GOR: 4486
Test Method: Flowing Casing PSI: 3041 Tubing PSI: 2553 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: 6978 Tbg setting date: 10/27/2017 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

401519192 FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
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