

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:  
400863619

Date Received:  
01/13/2020

**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: <u>69175</u>	4. Contact Name: <u>Cassie Gonzalez</u>
2. Name of Operator: <u>PDC ENERGY INC</u>	Phone: <u>(303) 860-5800</u>
3. Address: <u>1775 SHERMAN STREET - STE 3000</u>	Fax: _____
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>	Email: <u>Cassie.Gonzalez@pdce.com</u>

5. API Number <u>05-123-39748-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>Churchill</u>	Well Number: <u>28J-343</u>
8. Location: QtrQtr: <u>NWNW</u> Section: <u>28</u> Township: <u>5N</u> Range: <u>64W</u> Meridian: <u>6</u>	
9. Field Name: <u>WATTENBERG</u> Field Code: <u>90750</u>	

### Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 05/11/2015 End Date: 05/23/2015 Date of First Production this formation: 06/26/2015  
Perforations Top: 7202 Bottom: 13792 No. Holes: 1260 Hole size: 42/100

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

35 Stage Plug and Perf  
Total Fluid: 134,413 bbls  
Gel Fluid: 108,987 bbls  
Slickwater Fluid: 24,467 bbls  
15% HCl Acid: 959 bbls  
Total Proppant: 6,430,848 lbs  
Silica Proppant: 6,430,848 lbs  
Method for determining flowback: Measuring flowback tank volumes.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 134413 Max pressure during treatment (psi): 4433

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): 0.99

Total acid used in treatment (bbl): 959 Number of staged intervals: 35

Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 3806

Fresh water used in treatment (bbl): 133454 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 6430848 Rule 805 green completion techniques were utilized:

Reason why green completion not utilized:

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

#### Test Information:

Date: 07/10/2015 Hours: 24 Bbl oil: 422 Mcf Gas: 758 Bbl H2O: 99

Calculated 24 hour rate: Bbl oil: 422 Mcf Gas: 758 Bbl H2O: 99 GOR: 1796

Test Method: Flowing Casing PSI: 2516 Tubing PSI: 1797 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1323 API Gravity Oil: 51

Tubing Size: 2 + 3/8 Tubing Setting Depth: 6777 Tbg setting date: 06/26/2015 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: 1/13/2020 Email: Cassie.Gonzalez@pdce.com

### Attachment Check List

Att Doc Num	Name
400863619	FORM 5A SUBMITTED

Total Attach: 1 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Permit review complete.	02/09/2020
Permit	Return to draft for AOC settlement.	09/15/2016

Total: 2 comment(s)