

**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:  
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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: <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: <u>(303) 831-3988</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>	Email: <u>Cassie.Gonzalez@pdce.com</u>

5. API Number <u>05-123-37310-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>Sorin Natural Resources</u>	Well Number: <u>2U-203</u>
8. Location: QtrQtr: <u>NWNE</u> Section: <u>2</u> Township: <u>4N</u> Range: <u>66W</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: 12/13/2014 End Date: 12/15/2014 Date of First Production this formation: 01/23/2015  
Perforations Top: 7587 Bottom: 11590 No. Holes: Hole size:

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

16 Stage Sliding Sleeve, Swell Packer set @ 7,587'  
Total Fluid: 89,277 bbls  
Gel Fluid: 73,064 bbls  
Slickwater Fluid: 16,213 bbls  
Total Proppant: 4,544,746 lbs  
Silica Proppant: 4,544,746 lbs  
Method for determining flowback: measuring flowback tank volumes.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 89277 Max pressure during treatment (psi): 3939  
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): Number of staged intervals: 16  
Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 2556  
Fresh water used in treatment (bbl): 89277 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 4544746 Rule 805 green completion techniques were utilized:   
Reason why green completion not utilized:

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

#### Test Information:

Date: 02/12/2015 Hours: 24 Bbl oil: 222 Mcf Gas: 2460 Bbl H2O: 65  
Calculated 24 hour rate: Bbl oil: 222 Mcf Gas: 2460 Bbl H2O: 65 GOR: 11081  
Test Method: Flowing Casing PSI: 2462 Tubing PSI: 2301 Choke Size: 18/64  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1232 API Gravity Oil: 64  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 7143 Tbg setting date: 01/07/2015 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: Email: Cassie.Gonzalez@pdce.com

### Attachment Check List

Att Doc Num	Name

Total Attach: 0 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Returned to draft for AOC settlement.	09/15/2016

Total: 1 comment(s)