

**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:  
400602938

Date Received:  
12/31/2018

**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: <u>69175</u>	4. Contact Name: <u>Ally Ota</u>
2. Name of Operator: <u>PDC ENERGY INC</u>	Phone: <u>(303) 8605800</u>
3. Address: <u>1775 SHERMAN STREET - STE 3000</u>	Fax: <u>(303) 8605838</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>	Email: <u>alexandria.ota@pdce.com</u>

5. API Number <u>05-123-36602-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>Dillard</u>	Well Number: <u>20T-221</u>
8. Location: QtrQtr: <u>SESE</u> Section: <u>20</u> Township: <u>7N</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: 12/16/2013 End Date: 12/17/2013 Date of First Production this formation: 12/31/2013  
Perforations Top: 7518 Bottom: 11450 No. Holes: Hole size:

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

16 Stage Sliding Sleeve  
Total Fluid: 58,962 bbls  
Gel Fluid: 47,027 bbls  
Slickwater Fluid: 11,935 bbls  
Total Silica Proppant: 3,693,680  
Method for determining flowback: measuring flowback tank volumes

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 58962

Max pressure during treatment (psi): 3631

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): 0.95

Total acid used in treatment (bbl):

Number of staged intervals: 16

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 4889

Fresh water used in treatment (bbl): 58962

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 3693680

Rule 805 green completion techniques were utilized:

Reason why green completion not utilized:

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

#### Test Information:

Date: 01/23/2014 Hours: 24 Bbl oil: 225 Mcf Gas: 111 Bbl H2O: 129

Calculated 24 hour rate: Bbl oil: 225 Mcf Gas: 111 Bbl H2O: 129 GOR: 493

Test Method: Flowing Casing PSI: 1130 Tubing PSI: 656 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1239 API Gravity Oil: 44

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7118 Tbg setting date: 12/28/2013 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 Ota

Title: Regulatory Tech Date: 12/31/2018 Email: alexandria.ota@pdce.com

### Attachment Check List

Att Doc Num	Name
400602938	FORM 5A SUBMITTED

Total Attach: 1 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Ready to approve.	01/02/2019
Permit	Returned to draft for AOC settlement.	09/15/2016

Total: 2 comment(s)