

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:

400673215

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: 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:

Email: alexandria.ota@pdce.com

5. API Number 05-123-36728-00

7. Well Name: Dillard

8. Location: QtrQtr: NWNE Section: 20 Township: 7N Range: 64W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 20M-203

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 12/10/2013 End Date: 12/12/2013 Date of First Production this formation: 12/30/2013
Perforations Top: 7478 Bottom: 11440 No. Holes: Hole size:

Provide a brief summary of the formation treatment:

Open Hole: ☒

Frac 16 Stage Sliding Sleeve
Total Fluid: 60,166 bbls
Gel Fluid: 49,828 bbls
Slickwater Fluid: 10,338 bbls
Total Silica Proppant: 3,484,080 lbs
Method for determining flowback: measuring flowback tank volumes

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

Total fluid used in treatment (bbl): 60166

Max pressure during treatment (psi): 3369

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): 0.91

Total acid used in treatment (bbl):

Number of staged intervals: 16

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 5943

Fresh water used in treatment (bbl): 60166

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 3484080

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 01/30/2014 Hours: 24 Bbl oil: 195 Mcf Gas: 258 Bbl H2O: 112
Calculated 24 hour rate: Bbl oil: 195 Mcf Gas: 258 Bbl H2O: 112 GOR: 1323
Test Method: Flowing Casing PSI: 1841 Tubing PSI: 607 Choke Size: 16/64
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1259 API Gravity Oil: 43
Tubing Size: 2 + 3/8 Tubing Setting Depth: 7009 Tbg setting date: 12/26/2013 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**

400673215 FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Ready to approve.	12/31/2018
Permit	Returned to draft for AOC settlement.	09/15/2016

Total: 2 comment(s)