

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: 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) 8605800

Fax: (303) 8605838

Email: alexandria.ota@pdce.com

5. API Number 05-123-36602-00

7. Well Name: Dillard

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

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 20T-221

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)