

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:

402390355

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: 69175

2. Name of Operator: PDC ENERGY INC

3. Address: 1775 SHERMAN STREET - STE 3000

City: DENVER State: CO Zip: 80203

4. Contact Name: Cassie Gonzalez

Phone: (303) 860-5800

Fax:

Email: Cassie.Gonzalez@pdce.com

5. API Number 05-123-47822-00

7. Well Name: Popham

8. Location: QtrQtr: SESW Section: 3 Township: 4N Range: 64W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 11N

## Completed Interval

FORMATION: NIOBRARA

Status: PRODUCING

Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/05/2020

End Date: 03/13/2020

Date of First Production this formation: 04/15/2020

Perforations Top: 7040

Bottom: 12136

No. Holes: 1020

Hole size: 42/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

29 Stage Plug and Perf

Total Fluid: 34,728 bbls

Slickwater Fluid: 34,383 bbls

15% HCl Acid: 345 bbls

Total Proppant: 5,644,000 lbs

Silica Proppant: 5,644,000 lbs

Method for determining flowback: measuring flowback tank volumes.

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

Total fluid used in treatment (bbl): 34728

Max pressure during treatment (psi): 4592

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): 0.98

Total acid used in treatment (bbl): 345

Number of staged intervals: 29

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 4791

Fresh water used in treatment (bbl): 34383

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 5644000

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

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

### Test Information:

Date: 04/20/2020

Hours: 24

Bbl oil: 381

Mcf Gas: 916

Bbl H2O: 219

Calculated 24 hour rate:

Bbl oil: 381

Mcf Gas: 916

Bbl H2O: 219

GOR: 2404

Test Method: Flowing

Casing PSI: 2754

Tubing PSI: 1776

Choke Size: 16/64

Gas Disposition: SOLD

Gas Type: WET

Btu Gas: 1304

API Gravity Oil: 52

Tubing Size: 2 + 3/8

Tubing Setting Depth: 6876

Tbg setting date: 04/05/2020

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:

Actual Top of Productive Zone Footage: 513' FSL &amp; 2,523' FEL Sec: 3 Twp: 4N Rng: 64W

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 Analyst

Date:

Email: Cassie.Gonzalez@pdce.com

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### Attachment Check List

Att Doc Num

Name

Total Attach: 0 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)