

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:

401577010

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: Ally Ota

Phone: (303) 860-5800

Fax: (303) 831-3988

Email: Alexandria.Ota@pdce.com

5. API Number 05-123-44891-00

7. Well Name: Snowmass

8. Location: QtrQtr: NWNE Section: 5 Township: 5N Range: 64W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 9N

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION
Treatment Date: 01/03/2018 End Date: 01/21/2018 Date of First Production this formation: 03/12/2018
Perforations Top: 7621 Bottom: 15317 No. Holes: 1701 Hole size: 42/100
Provide a brief summary of the formation treatment: Open Hole: ☐

46 Stage Plug and Perf
Total Fluid: 181,177 bbls
Gel Fluid: 108,079 bbls
Slickwater Fluid: 72,154 bbls
15% HCl Acid: 944 bbls
Total Proppant: 8,173,300 lbs
Silica Proppant: 8,173,300 lbs
Method for determining flowback: measuring flowback tank volumes.

This formation is commingled with another formation: ☐ Yes ☒ No
Total fluid used in treatment (bbl): 181177 Max pressure during treatment (psi): 4918
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): 944 Number of staged intervals: 46
Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 10226
Fresh water used in treatment (bbl): 180233 Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 8173300 Rule 805 green completion techniques were utilized: ☒
Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 03/21/2018 Hours: 24 Bbl oil: 389 Mcf Gas: 771 Bbl H2O: 194
Calculated 24 hour rate: Bbl oil: 389 Mcf Gas: 771 Bbl H2O: 194 GOR: 1982
Test Method: Flowing Casing PSI: 2642 Tubing PSI: 1668 Choke Size: 16/64
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1256 API Gravity Oil: 52
Tubing Size: 2 + 3/8 Tubing Setting Depth: 7299 Tbg setting date: 03/11/2018 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 Footages: 2,098' FNL and 2,385' FEL Section 5, T5N-R64W

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 Contractor Date: Email: Cassie.Gonzalez@pdce.com

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)