

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:

402387755

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 05-123-47816-00

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: 9N

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 02/25/2020 End Date: 03/04/2020 Date of First Production this formation: 04/07/2020
Perforations Top: 7040 Bottom: 12138 No. Holes: 678 Hole size: 42/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

29 Stage Plug and Perf
Total Fluid: 28,321 bbls
Slickwater Fluid: 27,976 bbls
15% HCl Acid: 345 bbls
Total Proppant: 3,068,000 lbs
Silica Proppant: 3,068,000 lbs
Method for determining flowback: measuring flowback tank volumes.

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

Total fluid used in treatment (bbl): 28321

Max pressure during treatment (psi): 4708

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): 0.94

Total acid used in treatment (bbl): 345

Number of staged intervals: 29

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 5293

Fresh water used in treatment (bbl): 27976

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 3068000

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 04/12/2020 Hours: 24 Bbl oil: 384 Mcf Gas: 965 Bbl H2O: 305
Calculated 24 hour rate: Bbl oil: 384 Mcf Gas: 965 Bbl H2O: 305 GOR: 2513
Test Method: Flowing Casing PSI: 2656 Tubing PSI: 1698 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: 6851 Tbg setting date: 04/03/2020 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: 494' FSL & 2,155' FWL 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

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)