

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:

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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	4. Contact Name: Ally Gale
2. Name of Operator: PDC ENERGY INC	Phone: (303) 831-3931
3. Address: 1775 SHERMAN STREET - STE 3000	Fax: (303) 860-5838
City: DENVER State: CO Zip: 80203	Email: alexandria.gale@pdce.com

5. API Number 05-123-42681-00	6. County: WELD
7. Well Name: Brown	Well Number: 23P-321
8. Location: QtrQtr: SWSE Section: 23 Township: 5N Range: 65W Meridian: 6	
9. Field Name: WATTENBERG	Field Code: 90750

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 02/25/2017 End Date: 04/04/2017 Date of First Production this formation: 05/08/2017
Perforations Top: 7206 Bottom: 15759 No. Holes: 1764 Hole size: 42/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

50 Stage Plug and Perf
Total Fluid: 175,347 bbls
Gel Fluid: 93,407 bbls
Slickwater Fluid: 80,734 bbls
15% HCl Acid: 1,206 bbls
Total Proppant: 9,525,000
Silica Proppant: 9,525,000
Method for determining flowback: measuring flowback tank volumes.

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

Total fluid used in treatment (bbl): 175347

Max pressure during treatment (psi): 4441

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): 1.00

Total acid used in treatment (bbl): 1206

Number of staged intervals: 50

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 8408

Fresh water used in treatment (bbl): 174141

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 9525000

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 05/15/2017 Hours: 24 Bbl oil: 447 Mcf Gas: 1348 Bbl H2O: 291
Calculated 24 hour rate: Bbl oil: 447 Mcf Gas: 1348 Bbl H2O: 291 GOR: 1003
Test Method: flowing Casing PSI: 2841 Tubing PSI: 1820 Choke Size: 16/64
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1281 API Gravity Oil: 50
Tubing Size: 2 + 3/8 Tubing Setting Depth: 7009 Tbg setting date: 05/06/2017 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: 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)