

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:

401150815

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 Gale

Phone: (303) 831-3931

Fax: (303) 860-5838

Email: alexandria.gale@pdce.com

5. API Number 05-123-42333-00

7. Well Name: Spaur

8. Location: QtrQtr: SESW Section: 10 Township: 4N Range: 67W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 10L-201

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 07/09/2016 End Date: 07/16/2016 Date of First Production this formation: 08/09/2016
Perforations Top: 7383 Bottom: 11341 No. Holes: 684 Hole size: 42/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

20 Stage Plug and Perf, Perf'd from 7383-11106, 3 Toe Sleeves from 11242-11341

Total Fluid: 71,702 bbls

Gel Fluid: 42,407 bbls

Slickwater Fluid: 28,763 bbls

15% HCl Acid: 532 bbls

Total Proppant: 4,399,900 lbs

Silica Proppant: 4,399,900 lbs

Method for determining flowback: measuring flowback tank volumes

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

Total fluid used in treatment (bbl): 71702

Max pressure during treatment (psi): 4288

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): 0.97

Total acid used in treatment (bbl): 532

Number of staged intervals: 20

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 3839

Fresh water used in treatment (bbl): 71170

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 4399900

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 08/18/2016 Hours: 24 Bbl oil: 206 Mcf Gas: 438 Bbl H2O: 169
Calculated 24 hour rate: Bbl oil: 206 Mcf Gas: 438 Bbl H2O: 169 GOR: 2126
Test Method: Flowing Casing PSI: 2515 Tubing PSI: 1807 Choke Size: 16/64
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1277 API Gravity Oil: 50
Tubing Size: 2 + 3/8 Tubing Setting Depth: 7051 Tbg setting date: 08/08/2016 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 Gale

Title: Regulatory Tech Date: Email: alexandria.gale@pdce.com

Attachment Check List

Att Doc Num Name

401205340 WELLBORE DIAGRAM

Total Attach: 1 Files

General Comments

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

Total: 0 comment(s)