

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:

400717719

Date Received:

11/04/2016

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) 860-5800

Fax: (303) 860-5838

Email: alexandria.gale@pdce.com

5. API Number 05-123-37929-00

7. Well Name: Harvesters Resources

8. Location: QtrQtr: NWNE Section: 15 Township: 6N Range: 66W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 15M-303

### Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 06/02/2014 End Date: 06/05/2014 Date of First Production this formation: 06/17/2014

Perforations Top: 7747 Bottom: 11587 No. Holes: Hole size:

Provide a brief summary of the formation treatment: Open Hole: ☒

16 Stage Sliding Sleeve  
Total Fluid: 63,786 bbls  
Gel Fluid: 50,883 bbls  
Slickwater Fluid: 12,903 bbls  
Total Proppant: 3,662,060 lbs  
Silica Proppant: 3,662,060 lbs  
Method for determining flowback volume: measuring flowback tank volumes

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

Total fluid used in treatment (bbl): 63786 Max pressure during treatment (psi): 4000

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): Number of staged intervals: 16

Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 4884

Fresh water used in treatment (bbl): 63786 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 3662060 Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

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

#### Test Information:

Date: 07/17/2014 Hours: 24 Bbl oil: 301 Mcf Gas: 641 Bbl H2O: 76

Calculated 24 hour rate: Bbl oil: 301 Mcf Gas: 641 Bbl H2O: 76 GOR: 2129

Test Method: Flowing Casing PSI: 1922 Tubing PSI: 930 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1283 API Gravity Oil: 48

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7323 Tbg setting date: 06/10/2014 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:

Swell packer set at 7747'

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: 11/4/2016 Email: alexandria.gale@pdce.com

### Attachment Check List

Att Doc Num Name

400717719 FORM 5A SUBMITTED

401129149 WELLBORE DIAGRAM

Total Attach: 2 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Filed name missing. Corrected	11/10/2016
Permit	Return to draft for AOC settlement.	09/06/2016

Total: 2 comment(s)