

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:

10/16/2019

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 05-123-36986-00

7. Well Name: Waste Management

8. Location: QtrQtr: SESE Section: 2 Township: 2N Range: 64W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 2Y-201

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 10/28/2013 End Date: 10/29/2013 Date of First Production this formation: 11/11/2013

Perforations Top: 7281 Bottom: 11229 No. Holes: Hole size:

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

20 Stage Sliding Sleeve, Swell Packer set at 7,281'

Total Fluid: 73,102 bbls

Gel Fluid: 58,565 bbls

Slickwater Fluid: 14,537 bbls

Total Proppant: 4,421,429 lbs

Silica Proppant: 4,421,429 lbs

Method for determining flowback: measuring flowback tank volumes.

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

Total fluid used in treatment (bbl): 73102

Max pressure during treatment (psi): 4246

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): 0.96

Total acid used in treatment (bbl):

Number of staged intervals: 20

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 7707

Fresh water used in treatment (bbl): 73102

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 4421429

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 11/29/2013 Hours: 24 Bbl oil: 347 Mcf Gas: 248 Bbl H2O: 36

Calculated 24 hour rate: Bbl oil: 347 Mcf Gas: 248 Bbl H2O: 36 GOR: 715

Test Method: Flowing Casing PSI: 1073 Tubing PSI: 710 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1316 API Gravity Oil: 44

Tubing Size: 2 + 3/8 Tubing Setting Depth: 6839 Tbg setting date: 11/07/2013 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 Technician Date: 10/16/2019 Email: Cassie.Gonzalez@pdce.com

Attachment Check List

Att Doc Num Name

400499726 FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Permit Review Complete.	11/13/2019
Permit	Returned to draft for AOC settlement.	09/15/2016

Total: 2 comment(s)