

**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



DE	ET	OE	ES
----	----	----	----

Document Number:  
400600544

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: <u>69175</u>	4. Contact Name: <u>Cassie Gonzalez</u>
2. Name of Operator: <u>PDC ENERGY INC</u>	Phone: <u>(303) 860-5800</u>
3. Address: <u>1775 SHERMAN STREET - STE 3000</u>	Fax: _____
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>	Email: <u>Cassie.Gonzalez@pdce.com</u>

5. API Number <u>05-123-36956-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>Waste Management</u>	Well Number: <u>2L-201</u>
8. Location: QtrQtr: <u>SWSW</u> Section: <u>2</u> Township: <u>2N</u> Range: <u>64W</u> Meridian: <u>6</u>	
9. Field Name: <u>WATTENBERG</u> Field Code: <u>90750</u>	

### Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 09/06/2013 End Date: 09/07/2013 Date of First Production this formation: 09/23/2013  
Perforations Top: 7409 Bottom: 11213 No. Holes: Hole size:

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

16 Stage Sliding Sleeve, Swell Packer set at 7,409'  
Total Fluid: 63,146 bbls  
Gel Fluid: 47,331 bbls  
Slickwater Fluid: 15,815 bbls  
Total Proppant: 3,485,292 lbs  
Silica Proppant: 3,485,292 lbs  
Method for determining flowback: measuring flowback tank volumes.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 63146 Max pressure during treatment (psi): 4155  
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): 0.98  
Total acid used in treatment (bbl): Number of staged intervals: 16  
Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 6288  
Fresh water used in treatment (bbl): 63146 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 3485292 Rule 805 green completion techniques were utilized:   
Reason why green completion not utilized:

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

#### Test Information:

Date: 10/23/2013 Hours: 24 Bbl oil: 318 Mcf Gas: 373 Bbl H2O: 135  
Calculated 24 hour rate: Bbl oil: 318 Mcf Gas: 373 Bbl H2O: 135 GOR: 1173  
Test Method: Flowing Casing PSI: 1959 Tubing PSI: 733 Choke Size: 16/64  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1275 API Gravity Oil: 45  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 6928 Tbg setting date: 09/20/2013 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: Email: Cassie.Gonzalez@pdce.com

### Attachment Check List

Att Doc Num	Name

Total Attach: 0 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Returned to draft for AOC settlement.	09/15/2016

Total: 1 comment(s)