

**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:  
400499715

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>05-123-36962-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>WASTE MANAGEMENT</u>	Well Number: <u>2T-301</u>
8. Location: QtrQtr: <u>SESE</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: 10/23/2013 End Date: 10/24/2013 Date of First Production this formation: 11/04/2013  
Perforations Top: 7309 Bottom: 11316 No. Holes: Hole size:

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

16 Stage Sliding Sleeve, Swell Packer set at 7,309'  
Total Fluid: 58,472 bbls  
Gel Fluid: 46,818 bbls  
Slickwater Fluid: 11,654 bbls  
Total Proppant: 3,637,100 lbs  
Silica Proppant: 3,637,100 lbs  
Method for determining flowback: measuring flowback tank volumes.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 58472 Max pressure during treatment (psi): 3628  
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: 16  
Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 1620  
Fresh water used in treatment (bbl): 58472 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 3637100 Rule 805 green completion techniques were utilized:   
Reason why green completion not utilized:

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

#### Test Information:

Date: 11/27/2013 Hours: 24 Bbl oil: 354 Mcf Gas: 306 Bbl H2O: 30  
Calculated 24 hour rate: Bbl oil: 354 Mcf Gas: 306 Bbl H2O: 30 GOR: 864  
Test Method: Flowing Casing PSI: 1402 Tubing PSI: 703 Choke Size: 16/64  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1315 API Gravity Oil: 44  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 6959 Tbg setting date: 11/02/2013 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)