

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:

400414539

Date Received:

05/08/2013

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: 100322

2. Name of Operator: NOBLE ENERGY INC

3. Address: 1625 BROADWAY STE 2200

City: DENVER State: CO Zip: 80202

4. Contact Name: JEAN MUSE-REYNOLDS

Phone: (303) 228-4316

Fax: (303) 228-4286

Email: jmuse@nobleenergyinc.com

5. API Number 05-123-32568-00

7. Well Name: NCLP PC AA

8. Location: QtrQtr: SWNW Section: 8 Township: 6N Range: 63W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 08-19

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>05/06/2011</u>	End Date: <u>05/06/2011</u>	Date of First Production this formation: <u>06/15/2011</u>			
Perforations Top: <u>6840</u>	Bottom: <u>6850</u>	No. Holes: <u>40</u>	Hole size: <u>41/100</u>		

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

PUMPED 257112# OTTAWA SAND DOWNHOLE in 148210gals of 15% HCL/SilverStim/GELLED/SLICK/RECYCLED/FRESH WATER  
 FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL  
 CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG

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

Total fluid used in treatment (bbl): <u>3529</u>	Max pressure during treatment (psi): <u>4649</u>
Total gas used in treatment (mcf): <u>0</u>	Fluid density at initial fracture (lbs/gal): <u>8.34</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.91</u>
Total acid used in treatment (bbl): <u>24</u>	Number of staged intervals: <u>9</u>
Recycled water used in treatment (bbl): <u>253</u>	Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): <u>3252</u>	Disposition method for flowback: <u>RECYCLE</u>
Total proppant used (lbs): <u>257112</u>	Rule 805 green completion techniques were utilized: <input checked="" type="checkbox"/>

Reason why green completion not utilized: \_\_\_\_\_

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

**Test Information:**

Date: <u>06/24/2011</u>	Hours: <u>24</u>	Bbl oil: <u>19</u>	Mcf Gas: <u>0</u>	Bbl H2O: <u>7</u>
Calculated 24 hour rate:	Bbl oil: <u>19</u>	Mcf Gas: <u>0</u>	Bbl H2O: <u>7</u>	GOR: <u>0</u>
Test Method: <u>FLOWING</u>	Casing PSI: <u>880</u>	Tubing PSI: _____	Choke Size: <u>12/64</u>	
Gas Disposition: <u>SOLD</u>	Gas Type: <u>WET</u>	Btu Gas: <u>0</u>	API Gravity Oil: <u>42</u>	
Tubing Size: _____	Tubing Setting Depth: _____	Tbg setting date: _____	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.

FORMATION: NIOBRARA-CODELL Status: PRODUCING Treatment Type: \_\_\_\_\_  
Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 06/02/2011  
Perforations Top: 6556 Bottom: 6850 No. Holes: 136 Hole size: 0.69  
Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☐

FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL

This formation is commingled with another formation: ☐ Yes ☒ No  
Total fluid used in treatment (bbl): \_\_\_\_\_ Max pressure during treatment (psi): \_\_\_\_\_  
Total gas used in treatment (mcf): \_\_\_\_\_ Fluid density at initial fracture (lbs/gal): \_\_\_\_\_  
Type of gas used in treatment: \_\_\_\_\_ Min frac gradient (psi/ft): \_\_\_\_\_  
Total acid used in treatment (bbl): \_\_\_\_\_ Number of staged intervals: \_\_\_\_\_  
Recycled water used in treatment (bbl): \_\_\_\_\_ Flowback volume recovered (bbl): \_\_\_\_\_  
Fresh water used in treatment (bbl): \_\_\_\_\_ Disposition method for flowback: \_\_\_\_\_  
Total proppant used (lbs): \_\_\_\_\_ Rule 805 green completion techniques were utilized: ☐  
Reason why green completion not utilized: \_\_\_\_\_

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

**Test Information:**

Date: \_\_\_\_\_ Hours: \_\_\_\_\_ Bbl oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbl H2O: \_\_\_\_\_  
Calculated 24 hour rate: \_\_\_\_\_ Bbl oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbl H2O: \_\_\_\_\_ GOR: \_\_\_\_\_  
Test Method: \_\_\_\_\_ Casing PSI: \_\_\_\_\_ Tubing PSI: \_\_\_\_\_ Choke Size: \_\_\_\_\_  
Gas Disposition: \_\_\_\_\_ Gas Type: \_\_\_\_\_ Btu Gas: \_\_\_\_\_ API Gravity Oil: \_\_\_\_\_  
Tubing Size: \_\_\_\_\_ Tubing Setting Depth: \_\_\_\_\_ Tbg setting date: \_\_\_\_\_ 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.

FORMATION: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION  
Treatment Date: 05/06/2011 End Date: 05/31/2011 Date of First Production this formation: 06/02/2011  
Perforations Top: 6556 Bottom: 6718 No. Holes: 96 Hole size: 0.69  
Provide a brief summary of the formation treatment: Open Hole: ☐

PUMPED 270543# OTTAWA SAND DOWNHOLE in 235531gals of 15% HCL/SilverStim/GELLED/SLICK/RECYCLED/FRESH WATER  
FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL  
CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG

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

Total fluid used in treatment (bbl): 5608 Max pressure during treatment (psi): 4604  
Total gas used in treatment (mcf): 0 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): 23 Number of staged intervals: 14  
Recycled water used in treatment (bbl): 273 Flowback volume recovered (bbl): 113  
Fresh water used in treatment (bbl): 5312 Disposition method for flowback: RECYCLE  
Total proppant used (lbs): 270543 Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized: \_\_\_\_\_

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

#### Test Information:

Date: 06/08/2011 Hours: 24 Bbl oil: 54 Mcf Gas: 0 Bbl H2O: 8  
Calculated 24 hour rate: Bbl oil: 54 Mcf Gas: 30 Bbl H2O: 8 GOR: 56  
Test Method: FLOWING Casing PSI: 750 Tubing PSI: 0 Choke Size: 1/64  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1169 API Gravity Oil: 42  
Tubing Size: \_\_\_\_\_ Tubing Setting Depth: \_\_\_\_\_ Tbg setting date: \_\_\_\_\_ 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:

Completion information was updated in Peloton, but never validated. ITO is documented in the formation panel of this 5A for the Niobrara & Codell. Codell was SI with a RBP from 6/2/2011 until 6/13/2011. The Codell's date of first production was 6/13/2011 with a test date of 6/24/2011. The Niobrara's date of first production was 6/2/2011 with a test date of 6/8/2011. The test information resides on the individual panels.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: JEAN MUSE-REYNOLDS

Title: REGULATORY COMPLIANCE Date: 5/8/2013 Email jmuse@nobleenergyinc.com

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### Attachment Check List

**Att Doc Num** **Name**

400414539 FORM 5A SUBMITTED

Total Attach: 1 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	On HOLD: Requested flowback volume and clarification on test information. GOR, pressures, etc.	6/19/2014 4:14:06 PM

Total: 1 comment(s)