

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:

400380948

Date Received:

03/27/2013

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 05-123-32571-00

7. Well Name: NCLP PC AA

8. Location: QtrQtr: CNW

Section: 8

Township: 6N

Range: 63W

Meridian: 6

9. Field Name: WATTENBERG

Field Code: 90750

6. County: WELD

Well Number: 08-03D

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>06/21/2011</u>		End Date: <u>06/21/2011</u>		Date of First Production this formation: <u>06/23/2011</u>	
Perforations	Top: <u>6923</u>	Bottom: <u>6935</u>	No. Holes: <u>48</u>	Hole size: <u>41/100</u>	

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

9 stages: PUMPED 250615# OTTAWA SAND DOWNHOLE in 146420gals of 15% HCL  
 Acid/SilverStim/GELLED/SLICK/RECYCLED/FRESH WATER  
 CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG  
 FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL

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

Total fluid used in treatment (bbl): <u>3486</u>	Max pressure during treatment (psi): <u>4658</u>
Total gas used in treatment (mcf): _____	Fluid density at initial fracture (lbs/gal): <u>8.34</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.89</u>
Total acid used in treatment (bbl): <u>24</u>	Number of staged intervals: <u>9</u>
Recycled water used in treatment (bbl): <u>246</u>	Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): <u>3216</u>	Disposition method for flowback: <u>RECYCLE</u>
Total proppant used (lbs): <u>250615</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: _____	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-CODELL Status: PRODUCING Treatment Type: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 06/23/2011

Perforations Top: 6764 Bottom: 6935 No. Holes: 96 Hole size: 41/100

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

CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG 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: 09/19/2011 Hours: 24 Bbl oil: 58 Mcf Gas: 86 Bbl H2O: 2

Calculated 24 hour rate: Bbl oil: 58 Mcf Gas: 86 Bbl H2O: 2 GOR: 1483

Test Method: FLOWING Casing PSI: 1850 Tubing PSI: 1150 Choke Size: \_\_\_\_\_

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1172 API Gravity Oil: 46

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: 06/21/2011 End Date: 06/21/2011 Date of First Production this formation: 06/23/2011

Perforations Top: 6764 Bottom: 6836 No. Holes: 48 Hole size: 69/100

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

7 stages: CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG  
 FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL  
 PUMPED 250614# OTTAWA SAND DOWNHOLE in 165698gals of SilverStim/GELLED/SLICK/RECYCLED/FRESH WATER

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

Total fluid used in treatment (bbl): 3945 Max pressure during treatment (psi): 4859

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): 0.90

Total acid used in treatment (bbl): \_\_\_\_\_ Number of staged intervals: 7

Recycled water used in treatment (bbl): 270 Flowback volume recovered (bbl): 1615

Fresh water used in treatment (bbl): 3675 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 250614 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.

Comment: \_\_\_\_\_

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: 3/27/2013 Email: jmuse@nobleenergyinc.com

### Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400380948	FORM 5A SUBMITTED

Total Attach: 1 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)