

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:

400453434

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: 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

5. API Number 05-123-21740-00

7. Well Name: TENNYSON 1

8. Location: QtrQtr: SENW Section: 34 Township: 6N Range: 66W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 34-19

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>05/16/2012</u>		End Date: <u>05/01/2012</u>		Date of First Production this formation: <u>05/31/2012</u>	
Perforations	Top: <u>7191</u>	Bottom: <u>7206</u>	No. Holes: <u>60</u>	Hole size: <u>0.42</u>	

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

PUMPED 245761# OTTAWA SAND DOWNHOLE in 143237 gals of Vistar/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: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total fluid used in treatment (bbl): <u>3410</u>	Max pressure during treatment (psi): <u>4508</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>0.82</u>
Total acid used in treatment (bbl): <u>11</u>	Number of staged intervals: <u>7</u>
Recycled water used in treatment (bbl): <u>254</u>	Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): <u>3145</u>	Disposition method for flowback: <u>RECYCLE</u>
Total proppant used (lbs): <u>245761</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: 05/27/2012  
Perforations Top: 6896 Bottom: 7206 No. Holes: 108 Hole size: 0.42  
Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☐

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): \_\_\_\_\_ 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: 06/03/2012 Hours: 24 Bbl oil: 11 Mcf Gas: 9 Bbl H2O: 4  
Calculated 24 hour rate: Bbl oil: 11 Mcf Gas: 9 Bbl H2O: 4 GOR: 818  
Test Method: FLOWING Casing PSI: 240 Tubing PSI: 0 Choke Size: 14/64  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1324 API Gravity Oil: 57  
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: 05/28/2012 End Date: 05/29/2012 Date of First Production this formation: 05/31/2012  
Perforations Top: 6896 Bottom: 7030 No. Holes: 48 Hole size: 0.72  
Provide a brief summary of the formation treatment: Open Hole: ☐

PUMPED 254450# OTTAWA SAND DOWNHOLE in 526932gals of Vistar/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): 12546 Max pressure during treatment (psi): 4720  
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): 0.99  
Total acid used in treatment (bbl): 0 Number of staged intervals: 1  
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 445  
Fresh water used in treatment (bbl): 12546 Disposition method for flowback: RECYCLE  
Total proppant used (lbs): 254450 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: Email: jmuse@nobleenergyinc.com

#### Attachment Check List

Att Doc Num Name

Total Attach: 0 Files

#### General Comments

User Group Comment Comment Date

Total: 0 comment(s)