

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:

400386379

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 05-123-34852-00

7. Well Name: Megan State

8. Location: QtrQtr: NESE Section: 16 Township: 3N Range: 65W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: H15-33D

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>06/25/2012</u>		End Date: <u>06/25/2012</u>		Date of First Production this formation: <u>06/29/2012</u>	
Perforations	Top: <u>7224</u>	Bottom: <u>7238</u>	No. Holes: <u>56</u>	Hole size: <u>0.41</u>	

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

PUMPED 245973# OTTAWA SAND DOWNHOLE in 127974gals of 15% HCL/SilverStim/GELLED/SLICK/RECYCLED/FRESH WATER  
CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS  
FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL

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

Total fluid used in treatment (bbl): <u>3047</u>	Max pressure during treatment (psi): <u>4155</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>12</u>	Number of staged intervals: <u>7</u>
Recycled water used in treatment (bbl): <u>253</u>	Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): <u>2782</u>	Disposition method for flowback: <u>RECYCLE</u>
Total proppant used (lbs): <u>245973</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: J-NIOBRARA-CODELL Status: COMMINGLED Treatment Type: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 06/29/2012

Perforations Top: 6941 Bottom: 7742 No. Holes: 232 Hole size: 0.41

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

FLOWBACK REPORTED ON THE NIOBRARA COMPLETION PANEL  
CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS

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: 07/06/2012 Hours: 24 Bbl oil: 50 Mcf Gas: 400 Bbl H2O: 25

Calculated 24 hour rate: Bbl oil: 50 Mcf Gas: 400 Bbl H2O: 25 GOR: 8000

Test Method: FLOWING Casing PSI: 310 Tubing PSI: 0 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1202 API Gravity Oil: 51

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: <u>J SAND</u>		Status: <u>PRODUCING</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>06/25/2012</u>		End Date: <u>06/25/2012</u>		Date of First Production this formation: <u>06/29/2012</u>	
Perforations	Top: <u>7700</u>	Bottom: <u>7742</u>	No. Holes: <u>128</u>	Hole size: <u>0.41</u>	

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

PUMPED 266393# OTTAWA SAND and 17636#SB Excel DOWNHOLE in 161532gals of  
 SilverStim/GELLED/GLICK/RECYCLED/FRESH WATER  
 CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS  
 FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL

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

Total fluid used in treatment (bbl): <u>3846</u>	Max pressure during treatment (psi): <u>2800</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>0.64</u>
Total acid used in treatment (bbl): _____	Number of staged intervals: <u>10</u>
Recycled water used in treatment (bbl): <u>305</u>	Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): <u>3541</u>	Disposition method for flowback: <u>RECYCLE</u>
Total proppant used (lbs): <u>284029</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: 06/29/2012	
Perforations	Top: 6941	Bottom: 7238	No. Holes: 104	Hole size: 0.41	

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

FLOWBACK REPORTED ON THE NIOBRARA COMPLETION PANEL  
 CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS

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: <input 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 Status: COMMINGLED Treatment Type: FRACTURE STIMULATION  
Treatment Date: 06/25/2012 End Date: 06/25/2012 Date of First Production this formation: 06/29/2012  
Perforations Top: 6941 Bottom: 7004 No. Holes: 48 Hole size: 0.73  
Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☐

PUMPED 248757# OTTAWA SAND DOWNHOLE in 170940gals of SilverStim/GELLED/SLICK/RECYCLED/FRESH WATER  
FLOWBACK REPORTED ON THE NIOBRARA COMPLETION PANEL  
CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS

This formation is commingled with another formation: ☒ Yes ☐ No  
Total fluid used in treatment (bbl): 4070 Max pressure during treatment (psi): 4575  
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: 7  
Recycled water used in treatment (bbl): 270 Flowback volume recovered (bbl): 900  
Fresh water used in treatment (bbl): 3800 Disposition method for flowback: RECYCLE  
Total proppant used (lbs): 248757 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:

Well "BRIDGED OUT" , so the only log available was the CBL. No open hole log run.

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)