

**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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**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: Tania McNutt  
Phone: (303) 228-4392  
Fax: (303) 228-4286

5. API Number 05-123-34338-00  
6. County: WELD  
7. Well Name: BURMAN C  
Well Number: 05-23D  
8. Location: QtrQtr: NESE Section: 5 Township: 4N Range: 64W Meridian: 6  
9. Field Name: WATTENBERG Field Code: 90750

**Completed Interval**

FORMATION: CODELL Status: COMMINGLED Treatment Type: \_\_\_\_\_

Treatment Date: 12/19/2011 End Date: 12/19/2011 Date of First Production this formation: 12/20/2011

Perforations Top: 7000 Bottom: 7014 No. Holes: 56 Hole size: 0.41

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

Pumped 244,313 lbs of Ottawa Proppant and 114,388 gallons of 15% HCL, Slick Water and Silverstim.  
 The Codell is producing through a composite flow through plug  
 Commingle the Niobrara and Codell

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 2991 Max pressure during treatment (psi): 4105

Total gas used in treatment (mcf): \_\_\_\_\_ Fluid density at initial fracture (lbs/gal): \_\_\_\_\_

Type of gas used in treatment: \_\_\_\_\_ Number of staged intervals: 1

Total acid used in treatment (bbl): \_\_\_\_\_ Max frac gradient (psi/ft): 0.71

Recycled water used in treatment (bbl): \_\_\_\_\_ Flowback volume recovered (bbl): \_\_\_\_\_

Fresh water used in treatment (bbl): \_\_\_\_\_ Disposition method for flowback: \_\_\_\_\_

Total proppant used (lbs): 244313 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: \_\_\_\_\_

FORMATION: J SAND Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 12/19/2011 End Date: 12/20/2011 Date of First Production this formation: 12/20/2011  
Perforations Top: 7466 Bottom: 7496 No. Holes: 72 Hole size: 0.41

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

Pumped 268,707 lbs of Ottawa Proppant, 15,669 lbs of SB Excel Proppant and 149,017 gallons of Slick Water and Silverstim.  
The J-sand is producing through a composite flow through plug

This formation is commingled with another formation:  Yes  No  
Total fluid used in treatment (bbl): 3855 Max pressure during treatment (psi): 4510  
Total gas used in treatment (mcf): \_\_\_\_\_ Fluid density at initial fracture (lbs/gal): \_\_\_\_\_  
Type of gas used in treatment: \_\_\_\_\_ Number of staged intervals: 1  
Total acid used in treatment (bbl): \_\_\_\_\_ Max frac gradient (psi/ft): 0.64  
Recycled water used in treatment (bbl): \_\_\_\_\_ Flowback volume recovered (bbl): \_\_\_\_\_  
Fresh water used in treatment (bbl): \_\_\_\_\_ Disposition method for flowback: RECYCLE  
Total proppant used (lbs): 284376 Rule 805 green completion techniques were utilized:

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

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

**Test Information:**

Date: 01/05/2012 Hours: 19 Bbl oil: 18 Mcf Gas: 119 Bbl H2O: 78  
Calculated 24 hour rate: Bbl oil: 18 Mcf Gas: 119 Bbl H2O: 78 GOR: 6611  
Test Method: FLOWING Casing PSI: 340 Tubing PSI: \_\_\_\_\_ Choke Size: 12/64  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1273 API Gravity Oil: 58  
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: \_\_\_\_\_

FORMATION: NIORARA-CODELL Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 12/19/2011 End Date: 12/19/2011 Date of First Production this formation: 12/20/2011

Perforations Top: 6818 Bottom: 7014 No. Holes: 104 Hole size: 0

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

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: \_\_\_\_\_ Number of staged intervals: \_\_\_\_\_

Total acid used in treatment (bbl): \_\_\_\_\_ Max frac gradient (psi/ft): \_\_\_\_\_

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: 01/05/2012 Hours: 19 Bbl oil: 18 Mcf Gas: 119 Bbl H2O: 78

Calculated 24 hour rate: Bbl oil: 18 Mcf Gas: 119 Bbl H2O: 78 GOR: 6611

Test Method: FLOWING Casing PSI: 340 Tubing PSI: \_\_\_\_\_ Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1243 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: \_\_\_\_\_

FORMATION: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 12/19/2011 End Date: 12/19/2011 Date of First Production this formation: 12/20/2011  
Perforations Top: 6818 Bottom: 6904 No. Holes: 48 Hole size: 0.73

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

Pumped 244,443 lbs of Ottawa Proppant and 154,369 gallons of Slick Water and Silverstim.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 3941 Max pressure during treatment (psi): 4621

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal):

Type of gas used in treatment: Number of staged intervals: 1

Total acid used in treatment (bbl): Max frac gradient (psi/ft): 0.96

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

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

Total proppant used (lbs): 244443 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:

Comment:

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.  
Signed: Print Name: Tania McNutt  
Title: Regulatory Analyst Date: Email: tmcnutt@nobleenergyinc.com

**Attachment Check List**

Att Doc Num	Name

Total Attach: 0 Files

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User Group	Comment	Comment Date

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