

FORM 5A Rev 06/12

State of Colorado Oil and Gas Conservation Commission

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Table with columns DE, ET, OE, ES

Document Number: 400331729

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 05-123-35585-00 6. County: WELD 7. Well Name: BUTTERBALL D Well Number: 19-19D 8. Location: QtrQtr: NENW Section: 19 Township: 3N Range: 64W Meridian: 6 9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 07/13/2012 End Date: 07/13/2012 Date of First Production this formation: 07/30/2012 Perforations Top: 7106 Bottom: 7120 No. Holes: 56 Hole size: 0.4

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

PUMPED 274797# OF OTTAWA SAND DOWNHOLE IN 127275GALS OF PermStim/GELLED/15% HCL/SLICK WATER CODELL & J SAND ARE PRODUCING THROUGH COMPOSITE FLOW THROUGH PLUGS.

This formation is commingled with another formation: [X] Yes [ ] No

Total fluid used in treatment (bbl): 3030 Max pressure during treatment (psi): 4778 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): 0.88 Total acid used in treatment (bbl): Number of staged intervals: 10 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): 274797 Rule 805 green completion techniques were utilized: [X]

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: 2 + 3/8 Tubing Setting Depth: 7573 Tbg setting date: 09/27/2012 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: 07/30/2012

Perforations Top: 6878 Bottom: 7622 No. Holes: 176 Hole size: 0.4

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: \_\_\_\_\_ 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: 08/10/2012 Hours: 24 Bbl oil: 48 Mcf Gas: 23 Bbl H2O: 18

Calculated 24 hour rate: Bbl oil: 48 Mcf Gas: 23 Bbl H2O: 18 GOR: 479

Test Method: FLOWING Casing PSI: 1509 Tubing PSI: 0 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1200 API Gravity Oil: 55

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7573 Tbg setting date: 09/27/2012 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 SAND Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 07/13/2012 End Date: 07/13/2012 Date of First Production this formation: 07/30/2012  
Perforations Top: 7596 Bottom: 7622 No. Holes: 72 Hole size: 0.4

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

PUMPED 284543# OF OTTAWA SAND & 15938# OF SB Excel DOWNHOLE IN 161770GALS OF PermStim/GELLED/FRESHWATER CODELL & J SAND ARE PRODUCING THROUGH COMPOSITE FLOW THROUGH PLUGS.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 3851 Max pressure during treatment (psi): 4703

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): 0.69

Total acid used in treatment (bbl): \_\_\_\_\_ Number of staged intervals: 10

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): 300481 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: 2 + 3/8 Tubing Setting Depth: 7573 Tbg setting date: 09/27/2012 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: 07/30/2012

Perforations Top: 6878 Bottom: 7120 No. Holes: 104 Hole size: 0.4

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: \_\_\_\_\_ 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: 08/10/2012 Hours: 24 Bbl oil: 48 Mcf Gas: 23 Bbl H2O: 18

Calculated 24 hour rate: Bbl oil: 48 Mcf Gas: 23 Bbl H2O: 18 GOR: 479

Test Method: FLOWING Casing PSI: 1509 Tubing PSI: 0 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1200 API Gravity Oil: 55

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7573 Tbg setting date: 09/27/2012 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: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 07/30/2012

Perforations Top: 6878 Bottom: 6990 No. Holes: 48 Hole size: 0.71

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

PUMPED 273841# OF OTTAWA SAND DOWNHOLE IN 170204GALS OF PermStim/GELLED/FRESH/SLICK WATER CODELL & J SAND ARE PRODUCING THROUGH COMPOSITE FLOW THROUGH PLUGS.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 4052 Max pressure during treatment (psi): 5989

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): 0.93

Total acid used in treatment (bbl): \_\_\_\_\_ Number of staged intervals: 9

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): 273841 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: 2 + 3/8 Tubing Setting Depth: 7573 Tbg setting date: 09/27/2012 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**

User Group	Comment	Comment Date

Total: 0 comment(s)