

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:

400324229

Date Received:

09/18/2012

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 05-123-35343-00  
6. County: WELD  
7. Well Name: REI H  
Well Number: 17-28D  
8. Location: QtrQtr: NWNW Section: 17 Township: 3N Range: 65W Meridian: 6  
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>06/04/2012</u>		End Date: <u>06/04/2012</u>		Date of First Production this formation: <u>06/19/2012</u>	
Perforations	Top: <u>7638</u>	Bottom: <u>7650</u>	No. Holes: <u>48</u>	Hole size: <u>0.44</u>	

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

Pumped 103709# of Ottawa Sand and 87444gals of 15% HCL, Slick/Fresh Water  
 Niobrara, J Sand and Codell formations are commingled.  
 J Sand and Codell are producing thru composite Flow through plugs.

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Total fluid used in treatment (bbl): <u>2082</u>	Max pressure during treatment (psi): <u>4761</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>0.88</u>	
Total acid used in treatment (bbl): _____	Number of staged intervals: <u>7</u>	
Recycled water used in treatment (bbl): _____	Flowback volume recovered (bbl): _____	
Fresh water used in treatment (bbl): _____	Disposition method for flowback: <u>RECYCLE</u>	
Total proppant used (lbs): <u>103709</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: <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, number of sacks cmt _____
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\*\* 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: 06/19/2012

Perforations Top: 7362 Bottom: 8142 No. Holes: 216 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: 06/22/2012 Hours: 24 Bbl oil: 70 Mcf Gas: 866 Bbl H2O: 32

Calculated 24 hour rate: Bbl oil: 70 Mcf Gas: 866 Bbl H2O: 32 GOR: 12371

Test Method: FLOWING Casing PSI: 1500 Tubing PSI: 0 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1284 API Gravity Oil: 60

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>06/04/2012</u>		End Date: <u>06/04/2012</u>		Date of First Production this formation: <u>06/19/2012</u>	
Perforations	Top: <u>8102</u>	Bottom: <u>8142</u>	No. Holes: <u>120</u>	Hole size: <u>0.4</u>	

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

Pumped 274907# of Ottawa Sand, 5292# of SB Excel and 160902gals of Slick/Silverstim/Gelled/Fresh Water  
 Niobrara, J Sand and Codell formations are commingled.  
 J Sand and Codell are producing thru composite Flow through plugs.

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

Total fluid used in treatment (bbl): <u>3831</u>	Max pressure during treatment (psi): <u>3249</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>0.58</u>
Total acid used in treatment (bbl): _____	Number of staged intervals: <u>10</u>
Recycled water used in treatment (bbl): _____	Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): _____	Disposition method for flowback: <u>RECYCLE</u>
Total proppant used (lbs): <u>280199</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: 06/19/2012

Perforations Top: 7362 Bottom: 7650 No. Holes: 96 Hole size: 0.69

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: 06/22/2012 Hours: 24 Bbl oil: 70 Mcf Gas: 866 Bbl H2O: 32

Calculated 24 hour rate: Bbl oil: 70 Mcf Gas: 866 Bbl H2O: 32 GOR: 1237

Test Method: FLOWING Casing PSI: 1500 Tubing PSI: 0 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1284 API Gravity Oil: 60

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: 06/04/2012 End Date: 06/04/2012 Date of First Production this formation: 06/19/2012

Perforations Top: 7362 Bottom: 7432 No. Holes: 48 Hole size: 0.69

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

Pumped 229066# of Ottawa Sand and 3954gals of Silverstim/Slick/Gelled/Fresh Water  
Niobrara, J Sand and Codell formations are commingled.  
J Sand and Codell are producing thru composite Flow through plugs.

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

Total fluid used in treatment (bbl): 3954 Max pressure during treatment (psi): 4715

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): Flowback volume recovered (bbl):

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

Total proppant used (lbs): 229066 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:

HARD COPY LOGS COMING WITH THE FORM 10 UNDER SEPARATE COVER.

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: 9/18/2012 Email: jmuse@nobleenergyinc.com

### Attachment Check List

Att Doc Num	Name
400324229	FORM 5A SUBMITTED

Total Attach: 1 Files

### General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)