

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:

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

7. Well Name: REI H

8. Location: QtrQtr: NWNW Section: 17 Township: 3N Range: 65W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 17-28D

Completed Interval

| | | | | | |
|-----------------------------------|------------------|-----------------------------|----------------------|--|--|
| FORMATION: <u>CODELL</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>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: _____ | Max 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 _____ |
|---------------------------------|---|-----------------------------------|

** 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: _____ Max 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: <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: _____ | Max 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: COMMINGLED 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: _____ Max 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: PRODUCING 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:

Max 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: 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)