

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:

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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: EILEEN ROBERTS

Phone: (303) 228-4330

Fax: (303) 228-4286

Email: eileen.roberts@nblenergy.com

5. API Number 05-123-38222-00

7. Well Name: Reliance E

8. Location: QtrQtr: SESE Section: 23 Township: 6N Range: 65W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 23-63-1HNC

Completed Interval

FORMATION: NIOBRARA

Status: PRODUCING

Treatment Type: FRACTURE STIMULATION

Treatment Date: 05/24/2015 End Date: 06/10/2015 Date of First Production this formation: 06/16/2015

Perforations Top: 7402 Bottom: 11312 No. Holes: 0 Hole size:

Provide a brief summary of the formation treatment:

Open Hole: ☒

Frac'd the Niobrara w/ 3572954 gals of Silverstim and Slick Water with 2192700#'s of Ottawa sand.

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

Total fluid used in treatment (bbl): 85070

Max pressure during treatment (psi): 7890

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.43

Type of gas used in treatment:

Min frac gradient (psi/ft): 1.03

Total acid used in treatment (bbl): 0

Number of staged intervals: 20

Recycled water used in treatment (bbl): 2435

Flowback volume recovered (bbl): 162

Fresh water used in treatment (bbl): 82634

Disposition method for flowback: RECYCLE

Total proppant used (lbs): 2192700

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 06/25/2015 Hours: 24 Bbl oil: 277 Mcf Gas: 236 Bbl H2O: 459

Calculated 24 hour rate: Bbl oil: 277 Mcf Gas: 236 Bbl H2O: 459 GOR: 851

Test Method: FLOWING Casing PSI: 1645 Tubing PSI: 1190 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1264 API Gravity Oil: 40

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7139 Tbg setting date: 06/21/2015 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:

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I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_

Print Name: EILEEN ROBERTS \_\_\_\_\_

Title: REGULATORY ANALYST \_\_\_\_\_

Date: \_\_\_\_\_

Email eileen.roberts@nbenergy.com \_\_\_\_\_

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### **Attachment Check List**

**Att Doc Num**      **Name**

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Total Attach: 0 Files

### **General Comments**

**User Group**      **Comment**

**Comment Date**

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