

FORM  
5ARev  
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:

400868795

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 05-123-37606-00

7. Well Name: Reliance E

6. County: WELD

Well Number: 23-66-1HN

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

9. Field Name: WATTENBERG Field Code: 90750

## Completed Interval

FORMATION: NIOBRARA

Status: PRODUCING

Treatment Type: FRACTURE STIMULATION

Treatment Date: 05/12/2015 End Date: 05/14/2015 Date of First Production this formation: 06/21/2015

Perforations Top: 7361 Bottom: 11189 No. Holes: 0 Hole size:

Provide a brief summary of the formation treatment:

Open Hole: ☒

Frac'd the Niobrara w/ 3446520 gals of DynaFlow-2WR and Slick Water with 4031000#'s

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

Total fluid used in treatment (bbl): 82060

Max pressure during treatment (psi): 7105

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): 0.90

Total acid used in treatment (bbl): 0

Number of staged intervals: 20

Recycled water used in treatment (bbl): 4471

Flowback volume recovered (bbl): 180

Fresh water used in treatment (bbl): 77588

Disposition method for flowback: RECYCLE

Total proppant used (lbs): 4031000

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

## Test Information:

Date: 07/26/2015 Hours: 24 Bbl oil: 243 Mcf Gas: 538 Bbl H2O: 301

Calculated 24 hour rate: Bbl oil: 243 Mcf Gas: 538 Bbl H2O: 301 GOR: 2213

Test Method: FLOWING Casing PSI: 2299 Tubing PSI: 1356 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1364 API Gravity Oil: 42

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7066 Tbg setting date: 06/16/2015 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@nblenergy.com

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### **Attachment Check List**

**Att Doc Num**

**Name**

400868795

FORM 5A SUBMITTED

Total Attach: 1 Files

### **General Comments**

**User Group**

**Comment**

**Comment Date**

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Total: 0 comment(s)