

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 05-123-38221-00

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: 23-63-1HNA

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 05/24/2015 End Date: 06/11/2015 Date of First Production this formation: 06/14/2015

Perforations Top: 7275 Bottom: 11104 No. Holes: 0 Hole size:

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

Frac'd the Niobrara w/ 3948989 gals of Silverstim and Slick Water with 2564500#'s of Ottawa sand.

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

Total fluid used in treatment (bbl): 94023

Max pressure during treatment (psi): 7402

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): 1.00

Total acid used in treatment (bbl): 0

Number of staged intervals: 20

Recycled water used in treatment (bbl): 2853

Flowback volume recovered (bbl): 293

Fresh water used in treatment (bbl): 91170

Disposition method for flowback: RECYCLE

Total proppant used (lbs): 2564500

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: 368 Mcf Gas: 303 Bbl H2O: 482

Calculated 24 hour rate: Bbl oil: 368 Mcf Gas: 303 Bbl H2O: 482 GOR: 823

Test Method: FLOWING Casing PSI: 2363 Tubing PSI: 1788 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: 6919 Tbg setting date: 06/22/2015 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**

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Total Attach: 0 Files

General Comments

User Group **Comment**

Comment Date

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Total: 0 comment(s)