

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:

401815165

Date Received:

10/30/2018

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: 1001 NOBLE ENERGY WAY  
City: HOUSTON State: TX Zip: 77070  
4. Contact Name: LOGAN BOUGHAL  
Phone: (832) 6397447  
Fax:  
Email: LOGAN.BOUGHAL@NBLENERGY.COM

5. API Number 05-123-45551-00  
6. County: WELD  
7. Well Name: Larson  
Well Number: A23-627  
8. Location: QtrQtr: SESE Section: 24 Township: 6N Range: 64W Meridian: 6  
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION  
Treatment Date: 08/25/2018 End Date: 09/02/2018 Date of First Production this formation: 10/18/2018  
Perforations Top: 7102 Bottom: 17177 No. Holes: 1296 Hole size: 0.42

Provide a brief summary of the formation treatment:

Open Hole: ☒

FRAC'D WITH 586,001 40/70 OTTAWA SAND, AND 12,677,236 30/50 OTTAWA SAND, 302,251 BBLS FLUID, AND 813 BBLS 15% HCL

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

Total fluid used in treatment (bbl): 303064

Max pressure during treatment (psi): 8126

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.46

Type of gas used in treatment:

Min frac gradient (psi/ft): 960.00

Total acid used in treatment (bbl): 813

Number of staged intervals: 42

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 1944

Fresh water used in treatment (bbl): 302251

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 13263237

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 10/25/2018 Hours: 24 Bbl oil: 462 Mcf Gas: 587 Bbl H2O: 665  
Calculated 24 hour rate: Bbl oil: 462 Mcf Gas: 587 Bbl H2O: 665 GOR: 1270  
Test Method: FLOWING Casing PSI: 2247 Tubing PSI: 1756 Choke Size: 16/64  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1385 API Gravity Oil: 52  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 6905 Tbg setting date: 10/03/2018 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:

TPZ IS AT: 1,142 FSL & 353' FEL, SEC. 24.

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

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

Print Name: LOGAN BOUGHAL

Title: REGULATORY ANALYST II

Date: 10/30/2018

Email: LOGAN.BOUGHAL@NBLENERGY.COM

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### Attachment Check List

**Att Doc Num**

**Name**

401815165

FORM 5A SUBMITTED

Total Attach: 1 Files

### General Comments

**User Group**

**Comment**

**Comment Date**

Permit

- Corrected bottom perf per Operator
- Corrected total fluid volume used per Operator
- Corrected total proppant used per Operator
- Corrected minimum frac gradient per Operator
- Corrected # of staged intervals per Operator
- Footage calls for TPZ corrected per directional survey with Operator concurrence

03/05/2019

Total: 1 comment(s)