

FORM 5A Rev 06/12

State of Colorado Oil and Gas Conservation Commission

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Table with columns DE, ET, OE, ES

Document Number: 401850124

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: 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 05-123-45096-00
6. County: WELD
7. Well Name: Larson
Well Number: A23-678
8. Location: QtrQtr: NENE 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: 09/08/2018 End Date: 09/16/2018 Date of First Production this formation: 10/26/2018
Perforations Top: 6709 Bottom: 16957 No. Holes: 1344 Hole size: 0.42

Provide a brief summary of the formation treatment: Open Hole: []

12015143 LBS OTTAWA SAND, 403 BBLs 28% HCl, and 255320 BBLs FLUID.

This formation is commingled with another formation: [] Yes [X] No
Total fluid used in treatment (bbl): 255320 Max pressure during treatment (psi): 8342
Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.46
Type of gas used in treatment: Min frac gradient (psi/ft): 0.75
Total acid used in treatment (bbl): 403 Number of staged intervals: 43
Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 16289
Fresh water used in treatment (bbl): 255320 Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 12015143 Rule 805 green completion techniques were utilized: [X]
Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 11/02/2018 Hours: 24 Bbl oil: 454 Mcf Gas: 523 Bbl H2O: 341
Calculated 24 hour rate: Bbl oil: 454 Mcf Gas: 523 Bbl H2O: 341 GOR: 1152
Test Method: FLOWING Casing PSI: 1951 Tubing PSI: 1583 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: 6677 Tbg setting date: 10/23/2018 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: 503' FNL & 186' FEL.

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: _____

Email LOGAN.BOUGHAL@NBLENERGY.COM

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Attachment Check List

Att Doc Num **Name**

<u>Att Doc Num</u>	<u>Name</u>

Total Attach: 0 Files

General Comments

User Group **Comment**

Comment Date

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)