

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: 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: [X]

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 [X] 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: [X]

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
:

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|-------------------|
| 401815165 | FORM 5A SUBMITTED |

Total Attach: 1 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|---|---------------------|
| Permit | <ul style="list-style-type: none">•Corrected bottom perf per Operator•Corrected total fluid volume used per Operator•Corrected total proppant used per Operator•Corrected mimimum 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)