

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:

401842317

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 05-123-45094-00
6. County: WELD
7. Well Name: Larson
Well Number: A23-668
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: 08/31/2018 End Date: 09/07/2018 Date of First Production this formation: 10/28/2018

Perforations Top: 7107 Bottom: 17245 No. Holes: 1348 Hole size: 0.42

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

DISOLVABLE FLOW THROUGH PLUGS SET AT 17223-17225 & 16976-16978 ON 8/31/2018.

NIOBRARA FRAC'D WITH BBLS 28% HCL, 12,501,358 LBS OTTAWA SAND, AND 258645 BBLS FLUID.

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

Total fluid used in treatment (bbl): 258645 Max pressure during treatment (psi): 8238

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): 419 Number of staged intervals: 337

Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 16114

Fresh water used in treatment (bbl): 258645 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 12501358 Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 11/09/2018 Hours: 24 Bbl oil: 789 Mcf Gas: 964 Bbl H2O: 453

Calculated 24 hour rate: Bbl oil: 789 Mcf Gas: 964 Bbl H2O: 453 GOR: 1222

Test Method: FLOWING Casing PSI: 1900 Tubing PSI: 1500 Choke Size: 18/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1385 API Gravity Oil: 52

Tubing Size: 2 + 3/8 Tubing Setting Depth: 6990 Tbg setting date: 10/19/2018 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: 1425 FNL & 269 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

Attachment Check List

Att Doc Num **Name**

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Total Attach: 0 Files

General Comments

User Group **Comment**

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)