

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



Table with columns DE, ET, OE, ES

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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: Julie Webb
Phone: (720) 587-2223
Fax:
Email: jwebb@progressivepcs.net

5. API Number 05-123-43291-00
6. County: WELD
7. Well Name: Harper
Well Number: LD21-668
8. Location: QtrQtr: SWNW Section: 22 Township: 9N Range: 58W Meridian: 6
9. Field Name: WILDCAT Field Code: 99999

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 10/27/2016 End Date: 11/02/2016 Date of First Production this formation: 11/27/2016

Perforations Top: 6238 Bottom: 10632 No. Holes: 816 Hole size: 0.48

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

Niobrara frac'd with 12637300 lbs Ottawa Sand, 472,121 gal Silverstem and slickwater, 330 bbls 15%HCL

This formation is commingled with another formation: [] Yes [X] No

Total fluid used in treatment (bbl): 11241 Max pressure during treatment (psi): 7862

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): 0.90

Total acid used in treatment (bbl): 330 Number of staged intervals: 27

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 10805

Fresh water used in treatment (bbl): 11241 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 12637300 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: 12/01/2016 Hours: 24 Bbl oil: 372 Mcf Gas: 97 Bbl H2O: 587

Calculated 24 hour rate: Bbl oil: 372 Mcf Gas: 97 Bbl H2O: 587 GOR: 361

Test Method: Flowing Casing PSI: 0 Tubing PSI: 980 Choke Size: 18/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1347 API Gravity Oil: 52

Tubing Size: 2 + 3/8 Tubing Setting Depth: 5996 Tbg setting date: 11/17/2016 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: Julie Webb

Title: Senior Regualtory Analyst Date: 12/14/2016 Email: jwebb@progressivepcs.net
:

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401167274	FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
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