

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:

401167252

Date Received:

12/14/2016

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 05-123-43294-00

6. County: WELD

7. Well Name: Harper

Well Number: LD21-662

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: 10/17/2016 End Date: 10/26/2016 Date of First Production this formation: 11/24/2016

Perforations Top: 6154 Bottom: 10533 No. Holes: 810 Hole size: 0.48

Provide a brief summary of the formation treatment:

Open Hole: ☐

Niobrara frac'd with 12459200 lb Ottawa Sand, 472228 gal silverstem and slickwater

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

Total fluid used in treatment (bbl): 11244

Max pressure during treatment (psi): 7333

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): 1.30

Total acid used in treatment (bbl): 0

Number of staged intervals: 27

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 12244

Fresh water used in treatment (bbl): 11244

Disposition method for flowback: RECYCLE

Total proppant used (lbs): 12459200

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 11/28/2016 Hours: 24 Bbl oil: 540 Mcf Gas: 165 Bbl H2O: 776

Calculated 24 hour rate: Bbl oil: 540 Mcf Gas: 165 Bbl H2O: 776 GOR: 306

Test Method: Flowing Casing PSI: 2 Tubing PSI: 842 Choke Size: 18/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1422 API Gravity Oil: 52

Tubing Size: 2 + 3/8 Tubing Setting Depth: 5961 Tbg setting date: 11/18/2016 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  
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### Attachment Check List

**Att Doc Num**      **Name**

401167252	FORM 5A SUBMITTED
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Total Attach: 1 Files

### General Comments

**User Group**      **Comment**

**Comment Date**

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Total: 0 comment(s)