

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



|    |    |    |    |
|----|----|----|----|
| DE | ET | OE | ES |
|----|----|----|----|

Document Number:

401461418

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: 10625  
2. Name of Operator: HIGHLANDS NATURAL RESOURCES  
3. Address: 2401 EAST 2ND AVENUE SUITE 150  
City: DENVER State: CO Zip: 80206  
4. Contact Name: Stephen Miller  
Phone: (361) 2309375  
Fax:  
Email: stephen.miller@highlandsnr.com

5. API Number 05-005-07267-00  
6. County: ARAPAHOE  
7. Well Name: WILDHORSE  
Well Number: 5-64 15-16-1BHZ  
8. Location: QtrQtr: NESE Section: 15 Township: 5S Range: 64W Meridian: 6  
9. Field Name: WILDCAT Field Code: 99999

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 09/30/2017 End Date: 10/13/2017 Date of First Production this formation: 12/06/2017

Perforations Top: 8746 Bottom: 18333 No. Holes: 1650 Hole size: 0.42

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

Frac 55 stages with 56,224 gal total HCL Acid + 299,591 bbls total base fluids + 1,102,976 lbs 100MESH + 3,858,320 lbs 40/70 sand + 10,055,790 lbs 30/50 sand.

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

Total fluid used in treatment (bbl): 300930 Max pressure during treatment (psi): 8711

Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment: Min frac gradient (psi/ft): 0.82

Total acid used in treatment (bbl): 1339 Number of staged intervals: 55

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

Fresh water used in treatment (bbl): 299591 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 15017086 Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 11/30/2017 Hours: 24 Bbl oil: 767 Mcf Gas: 602 Bbl H2O: 678

Calculated 24 hour rate: Bbl oil: 767 Mcf Gas: 602 Bbl H2O: 678 GOR: 785

Test Method: FLOW Casing PSI: 1025 Tubing PSI: 560 Choke Size: 30

Gas Disposition: FLARED Gas Type: SHALE Btu Gas: 1431 API Gravity Oil: 40

Tubing Size: 2 + 7/8 Tubing Setting Depth: 8032 Tbg setting date: 10/27/2017 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:

|  |
|--|
|  |
|--|

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Stephen Miller

Title: VP Operations Date: \_\_\_\_\_ Email: Stephen.miller@highlandsnr.com  
:

### Attachment Check List

Att Doc Num      Name

|  |  |
|--|--|
|  |  |
|--|--|

Total Attach: 0 Files

### General Comments

User Group      Comment

Comment Date

|  |  |                        |
|--|--|------------------------|
|  |  | Stamp Upon<br>Approval |
|--|--|------------------------|

Total: 0 comment(s)