

FORM 5A Rev 06/12

State of Colorado Oil and Gas Conservation Commission

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Table with columns DE, ET, OE, ES

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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: 96155
2. Name of Operator: WHITING OIL & GAS CORPORATION
3. Address: 1700 BROADWAY STE 2300
City: DENVER State: CO Zip: 80290
4. Contact Name: Pauleen Tobin
Phone: (303) 837-1661
Fax:
Email: pollyt@whiting.com

5. API Number 05-123-42870-00
6. County: WELD
7. Well Name: Horsetail
Well Number: 30E-1903
8. Location: QtrQtr: Lot 2 Section: 30 Township: 10N Range: 57W Meridian: 6
9. Field Name: DJ HORIZONTAL NIOBRARA Field Code: 16950

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION
Treatment Date: 04/06/2018 End Date: 04/12/2018 Date of First Production this formation: 05/22/2018
Perforations Top: 6500 Bottom: 13736 No. Holes: 1919 Hole size: 3/8

Provide a brief summary of the formation treatment: Open Hole:
48 Stage Plug & Perf, 902642# 100 Mesh, 31163437# 40/70 Prem White sand, 470791# 30/50 Prem White sand, 107 bbls 15% HCl, 185682 bbls slickwater

This formation is commingled with another formation: Yes No
Total fluid used in treatment (bbl): 185789 Max pressure during treatment (psi): 7845
Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.33
Type of gas used in treatment: Min frac gradient (psi/ft): 0.80
Total acid used in treatment (bbl): 107 Number of staged intervals: 48
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 5308
Fresh water used in treatment (bbl): 185682 Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 4536870 Rule 805 green completion techniques were utilized:
Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 06/05/2018 Hours: 24 Bbl oil: 519 Mcf Gas: 163 Bbl H2O: 0
Calculated 24 hour rate: Bbl oil: 519 Mcf Gas: 163 Bbl H2O: 0 GOR: 314
Test Method: Separator Casing PSI: Tubing PSI: 450 Choke Size: 22/64
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1427 API Gravity Oil: 34
Tubing Size: 2 + 3/8 Tubing Setting Depth: 5645 Tbg setting date: 05/15/2018 Packer Depth: 5629
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:

Top of producing zone corrected to 2494 FNL 720 FWL based on top perforation at 6500'.

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

Signed: \_\_\_\_\_ Print Name: Pauleen Tobin

Title: Engineer Tech Date: \_\_\_\_\_ Email pollyt@whiting.com  
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### Attachment Check List

**Att Doc Num**      **Name**

|           |                  |
|-----------|------------------|
| 401695597 | WELLBORE DIAGRAM |
|-----------|------------------|

Total Attach: 1 Files

### General Comments

**User Group**      **Comment**      **Comment Date**

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|  |  | Stamp Upon Approval |
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Total: 0 comment(s)