

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:

401098708

Date Received:

08/24/2016

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: 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: (303) 390-4923  
Email: pollyt@whiting.com

5. API Number 05-123-38723-00  
6. County: WELD  
7. Well Name: Razor  
Well Number: 12F-0104B  
8. Location: QtrQtr: SENW Section: 12 Township: 10N Range: 58W Meridian: 6  
9. Field Name: DJ HORIZONTAL NIOBRARA Field Code: 16950

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION  
Treatment Date: 03/21/2016 End Date: 03/29/2016 Date of First Production this formation: 05/25/2016  
Perforations Top: 6497 Bottom: 13316 No. Holes: 1188 Hole size: 3/8

Provide a brief summary of the formation treatment:

Open Hole: ☐

Plug & Perf, 3775753# Premium White, 30/50, 84565# Premium White, 40/70, 1313# AccessFrac (diverter agent), 15% HCl.

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

Total fluid used in treatment (bbl): 181666 Max pressure during treatment (psi): 8337  
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): 654 Number of staged intervals: 29  
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 15875  
Fresh water used in treatment (bbl): 181012 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 3861147 Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 07/13/2016 Hours: 24 Bbl oil: 308 Mcf Gas: 185 Bbl H2O: 851  
Calculated 24 hour rate: Bbl oil: 308 Mcf Gas: 185 Bbl H2O: 851 GOR: 601  
Test Method: Sep Casing PSI: 885 Tubing PSI: 363 Choke Size: 34/64  
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1356 API Gravity Oil: 32  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 5861 Tbg setting date: 05/17/2016 Packer Depth: 5852

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 2194 FNL 1111 FWL based on top perforation at 6497'.

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: 8/24/2016 Email pollyt@whiting.com  
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### **Attachment Check List**

**Att Doc Num**      **Name**

401098708	FORM 5A SUBMITTED
401098717	WELLBORE DIAGRAM

Total Attach: 2 Files

### **General Comments**

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

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Total: 0 comment(s)