

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:

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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 AND 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 05-123-37847-00  
6. County: WELD  
7. Well Name: Razor  
Well Number: 21A-2815A  
8. Location: QtrQtr: NENE Section: 21 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: 12/07/2013 End Date: 12/20/2013 Date of First Production this formation: 02/28/2014

Perforations Top: 6340 Bottom: 12818 No. Holes: 1440 Hole size: 3/8

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

Cemented Liner, 25# pHaserFrac: 362,764# 40/70 Prem White, 6,676,027# 20/40 Prem White, 952 bbls 15 HCl, 157,265 bbls clean volume pumped, total fluid 164,018 bbls. See attached well bore diagram for detail.

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

Total fluid used in treatment (bbl): 164018 Max pressure during treatment (psi): 9108

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): 952 Number of staged intervals: 40

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 45551

Fresh water used in treatment (bbl): 157265 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 7038791 Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized: PIPELINE

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 02/07/2014 Hours: 24 Bbl oil: 505 Mcf Gas: 604 Bbl H2O: 880

Calculated 24 hour rate: Bbl oil: 505 Mcf Gas: 604 Bbl H2O: 604 GOR: 1196

Test Method: Separator Casing PSI: 190 Tubing PSI: 190 Choke Size: 24/64

Gas Disposition: FLARED Gas Type: DRY Btu Gas: 1537 API Gravity Oil: 36

Tubing Size: 2 + 7/8 Tubing Setting Depth: 5003 Tbg setting date: 02/27/2014 Packer Depth: 4892

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: Pauleen Tobin

Title: Engineer Tech

Date: \_\_\_\_\_

Email pollyt@whiting.com

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### **Attachment Check List**

**Att Doc Num**

**Name**

400586212

WELLBORE DIAGRAM

Total Attach: 1 Files

### **General Comments**

**User Group**

**Comment**

**Comment Date**

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Total: 0 comment(s)