

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:

400808905

Date Received:

03/13/2015

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 05-123-39523-00  
6. County: WELD  
7. Well Name: Razor  
Well Number: 21C-0908  
8. Location: QtrQtr: NENW 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: 11/22/2014 End Date: 12/02/2014 Date of First Production this formation: 01/13/2015  
Perforations Top: 6236 Bottom: 13955 No. Holes: 1404 Hole size: 3/8

Provide a brief summary of the formation treatment:

Open Hole: ☐

40-stage Frac: 90212 bbl QuadraFrac XL Gel, 15293 bbl QuadraFrac Linear Gel, 6413341# 20/40 Wh snd, 119900# 40/70 Wh snd, 945 bbls 28% HCl, 28734 bbls Slickwater.

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

Total fluid used in treatment (bbl): 135184

Max pressure during treatment (psi): 7760

Total gas used in treatment (mcf):

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): 945

Number of staged intervals: 40

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 17793

Fresh water used in treatment (bbl): 134239

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 6533241

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 02/02/2015 Hours: 24 Bbl oil: 371 Mcf Gas: 337 Bbl H2O: 215  
Calculated 24 hour rate: Bbl oil: 371 Mcf Gas: 337 Bbl H2O: 215 GOR: 908  
Test Method: Separator Casing PSI: 870 Tubing PSI: 160 Choke Size: 40/64  
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1832 API Gravity Oil: 33  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 5957 Tbg setting date: 12/30/2014 Packer Depth: 5957

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: 3/13/2015 Email pollyt@whiting.com  
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### **Attachment Check List**

**Att Doc Num**      **Name**

400808905	FORM 5A SUBMITTED
400808917	WELLBORE DIAGRAM

Total Attach: 2 Files

### **General Comments**

**User Group**      **Comment**

**Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)