

FORM  
5ARev  
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:

400809035

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

5. API Number 05-123-39532-00  
 6. County: WELD  
 7. Well Name: Razor  
 Well Number: 21B-0910  
 8. Location: QtrQtr: NWNE 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: 12/06/2014 End Date: 12/16/2014 Date of First Production this formation: 01/23/2015

Perforations Top: 6197 Bottom: 13957 No. Holes: 720 Hole size: 3/8

Provide a brief summary of the formation treatment:

Open Hole: ☐

54-stage Frac(720 perfs, 34 sleeves): 95645 bbl QuadraFrac XL Gel, 15922 bbl QuadraFrac Linear Gel, 6249600# 20/40 Wh snd, 154060# 40/70 Wh snd, 464 bbls 15% HCl, 32674 bbls Slickwater.

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

Total fluid used in treatment (bbl): 144705

Max pressure during treatment (psi): 8825

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): 464

Number of staged intervals: 54

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 21419

Fresh water used in treatment (bbl): 144705

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 6403661

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

## Test Information:

Date: 02/24/2015 Hours: 24 Bbl oil: 172 Mcf Gas: 110 Bbl H2O: 196

Calculated 24 hour rate: Bbl oil: 172 Mcf Gas: 110 Bbl H2O: 196 GOR:

Test Method: Separator Casing PSI: 850 Tubing PSI: 200 Choke Size: 34/64

Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1852 API Gravity Oil: 32

Tubing Size: 2 + 3/8 Tubing Setting Depth: 5914 Tbg setting date: 01/13/2015 Packer Depth: 5913

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**

400809036	WELLBORE DIAGRAM
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Total Attach: 1 Files

### General Comments

**User Group**      **Comment**

**Comment Date**

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Total: 0 comment(s)