

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



DE	ET	OE	ES
----	----	----	----

Document Number:

400809013

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 05-123-39529-00  
6. County: WELD  
7. Well Name: Razor  
Well Number: 21B-0909  
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: 12/23/2014 Date of First Production this formation: 01/20/2015  
Perforations Top: 6136 Bottom: 13875 No. Holes: 432 Hole size: 3/8

Provide a brief summary of the formation treatment:

Open Hole: ☐

54-stage Frac (432 perms, 34 sleeves): 83168 bbl QuadraFrac XL Gel, 12142 bbl QuadraFrac Linear Gel, 4816732# 20/40 Wh snd, 130980# 40/70 Wh snd, 309 bbls 15% HCl, 25574 bbls Slickwater.

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

Total fluid used in treatment (bbl): 121194 Max pressure during treatment (psi): 9000

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): 309 Number of staged intervals: 54

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 25483

Fresh water used in treatment (bbl): 121194 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 4947712 Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on [FracFocus.org](http://FracFocus.org)

Test Information:

Date: 02/24/2015 Hours: 24 Bbl oil: 201 Mcf Gas: 105 Bbl H2O: 174  
Calculated 24 hour rate: Bbl oil: 201 Mcf Gas: 105 Bbl H2O: 174 GOR: 522  
Test Method: Separator Casing PSI: 880 Tubing PSI: 200 Choke Size: 34/64  
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1674 API Gravity Oil: 32  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 5797 Tbg setting date: 01/18/2015 Packer Depth: 5797

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:

--

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

:

### Attachment Check List

**Att Doc Num**

**Name**

400809015

WELLBORE DIAGRAM

Total Attach: 1 Files

### General Comments

**User Group**

**Comment**

**Comment Date**

--	--	--

Total: 0 comment(s)