

FORM 5A

Rev 06/12

State of Colorado Oil and Gas Conservation Commission

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Table with columns DE, ET, OE, ES

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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:
Email: pollyt@whiting.com

5. API Number 05-123-42650-00
6. County: WELD
7. Well Name: Razor
Well Number: 25O-2412
8. Location: QtrQtr: SWSE Section: 25 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: 08/31/2017 End Date: 09/10/2017 Date of First Production this formation: 10/18/2017
Perforations Top: 6100 Bottom: 15737 No. Holes: 2599 Hole size: 3/8

Provide a brief summary of the formation treatment: Open Hole: []

65 Stage Plug & Perf, 1189186# 100 Mesh, 5018477# 40/70 Prem White sand, 786 bbls 15% HCl, 256303 bbls slickwater

This formation is commingled with another formation: [] Yes [X] No

Total fluid used in treatment (bbl): 257089 Max pressure during treatment (psi): 7787
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): 786 Number of staged intervals: 65
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 10118
Fresh water used in treatment (bbl): 256303 Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 6207663 Rule 805 green completion techniques were utilized: [X]

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 10/21/2017 Hours: 24 Bbl oil: 370 Mcf Gas: 74 Bbl H2O: 573
Calculated 24 hour rate: Bbl oil: 370 Mcf Gas: 74 Bbl H2O: 573 GOR: 200
Test Method: Separator Casing PSI: 700 Tubing PSI: 720 Choke Size: 12/64
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1340 API Gravity Oil: 34
Tubing Size: 3 Tubing Setting Depth: 5569 Tbg setting date: 10/03/2017 Packer Depth: 5560

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 786 FSL 1617 FEL based on top perforation at 6100'.

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: 1/12/2018 Email pollyt@whiting.com
:

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401507905	FORM 5A SUBMITTED
401508218	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)