

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:

400707241

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	4. Contact Name: Elvera Berryman
2. Name of Operator: WHITING OIL AND GAS CORPORATION	Phone: (303) 390-4221
3. Address: 1700 BROADWAY STE 2300	Fax: (303) 390-1598
City: DENVER State: CO Zip: 80290	Email: elvera.berryman@whiting.com

5. API Number 05-123-38532-00	6. County: WELD
7. Well Name: Razor	Well Number: 11E-1404B
8. Location: QtrQtr: SWNW Section: 11 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: 05/14/2014 End Date: 05/22/2014 Date of First Production this formation: 07/06/2014

Perforations Top: 6426 Bottom: 13500 No. Holes: 1440 Hole size: 3/8

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

Cemented 40 staged intervals:

Slickwater 28107 bbl; QuadraFrac Crosslink Gel 67025 bbl; Linear Gel 20402 bbl. Total Benzoic Acid used: 878 bbl; Vol. Slurry Tot.: 121782.80bbl.

Tot. Proppant: 4586625#16/30 White Sand; 300600#20/40 White Sand; 154590#40/70 White Sand. See attached wellbore diagram for details.

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

Total fluid used in treatment (bbl): 116690

Max pressure during treatment (psi): 8444

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): 0.78

Total acid used in treatment (bbl): 878

Number of staged intervals: 40

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 13925

Fresh water used in treatment (bbl): 116690

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 5041815

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized: \_\_\_\_\_

**Fracture stimulations must be reported on FracFocus.org**

### Test Information:

Date: 08/07/2014 Hours: 24 Bbl oil: 548 Mcf Gas: 143 Bbl H2O: 310

Calculated 24 hour rate: Bbl oil: 548 Mcf Gas: 143 Bbl H2O: 310 GOR: 261

Test Method: Separator Casing PSI: 900 Tubing PSI: 270 Choke Size: 32/64

Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1349 API Gravity Oil: 35

Tubing Size: 2 + 3/8 Tubing Setting Depth: 5993 Tbg setting date: 06/21/2014 Packer Depth: 5993

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: Elvera Berryman

Title: Engineer Tech Date: \_\_\_\_\_ Email: elvera.berryman@whiting.com

## Attachment Check List

**Att Doc Num** **Name**

400707255 WELLBORE DIAGRAM

Total Attach: 1 Files

## General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)