

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:

400706881

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 05-123-38529-00	6. County: WELD
7. Well Name: Razor	Well Number: 11E-1401A
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: 05/05/2014 End Date: 05/13/2014 Date of First Production this formation: 07/02/2014

Perforations Top: 6345 Bottom: 13460 No. Holes: 1440 Hole size: 3/8

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

Cemented Liner 40 staged intervals:

Tot. Slickwater vol. 31494bbl; QuadraFrac Crosslink Gel 67935bbl; Liner Gel 20045bbl; Slurry Tot.: 125901.50 bbl; Total 15% HCL used: 981bbl. Total Proppant: 4938099.5#16/30 White Sand; 120089.8#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): 120456

Max pressure during treatment (psi): 4462

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): 0.73

Total acid used in treatment (bbl): 981

Number of staged intervals: 40

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 52091

Fresh water used in treatment (bbl): 120456

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 5058189

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

### Test Information:

Date: 07/16/2014 Hours: 24 Bbl oil: 424 Mcf Gas: 142 Bbl H2O: 536

Calculated 24 hour rate: Bbl oil: 424 Mcf Gas: 142 Bbl H2O: 536 GOR: 335

Test Method: Separator Casing PSI: 0 Tubing PSI: 140 Choke Size: 24/64

Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1249 API Gravity Oil: 35

Tubing Size: 2 + 7/8 Tubing Setting Depth: 5955 Tbg setting date: 06/14/2014 Packer Depth: 5955

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: elvera.berryman@whiting.c Date: Email Engineer Tech

## Attachment Check List

Att Doc Num	Name
400707000	WELLBORE DIAGRAM

Total Attach: 1 Files

## General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)