

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:

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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 & 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 05-123-38044-00	6. County: WELD
7. Well Name: Razor Federal	Well Number: 26J-2309A
8. Location: QtrQtr: NWSE Section: 26 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: 07/04/2014 End Date: 07/12/2014 Date of First Production this formation: 08/16/2014
Perforations Top: 6099 Bottom: 13474 No. Holes: 1440 Hole size: 3/8

Provide a brief summary of the formation treatment:

Open Hole: ☐

Cemented liner: 40 stage Clearstar 30 XL Gel 69103 bbl; 30# Linear Gel 16133 bbl; Slickwater 26187 bbl; 15% HCl 988 bbl.
Total Slurry Volume: 118154 bbl.
Proppant: 16/30 White Sand: 3708580 lb; 20/40 White Sand: 1480680 lb; 40/70 White Sand: 145830 lb.
See attached Frac Summary Report and Wellbore Diagram for details.

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

Total fluid used in treatment (bbl): 112410

Max pressure during treatment (psi): 7549

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): 0.82

Total acid used in treatment (bbl): 988

Number of staged intervals: 40

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 21556

Fresh water used in treatment (bbl): 112410

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 5335090

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 10/15/2014 Hours: 24 Bbl oil: 388 Mcf Gas: 73 Bbl H2O: 242
Calculated 24 hour rate: Bbl oil: 388 Mcf Gas: 73 Bbl H2O: 242 GOR: 188
Test Method: Separator Casing PSI: 860 Tubing PSI: 360 Choke Size: 26/64
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1362 API Gravity Oil: 34
Tubing Size: 2 + 7/8 Tubing Setting Depth: 5712 Tbg setting date: 08/17/2014 Packer Depth: 5712

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:

Well drilled 32' passed 100' setback. Form 5A will be submitted documenting that the bottom 59' of wellbore will not produce. Landing Collar is a 13474'. Cement fills the hole from 13474' to TD.

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: Engineering Technician Date: Email: Engineering Technician

Attachment Check List

Att Doc Num Name

400749618 WELLBORE DIAGRAM

Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)