

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:

400782482

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 05-123-38739-00	6. County: WELD
7. Well Name: Horsetail	Well Number: 30F-1943
8. Location: QtrQtr: SENW Section: 30 Township: 10N Range: 57W Meridian: 6	
9. Field Name: DJ HORIZONTAL NIOBRARA	Field Code: 16950

## Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION  
Treatment Date: 02/05/2015 End Date: 02/12/2015 Date of First Production this formation: 04/11/2015  
Perforations Top: 6017 Bottom: 13570 No. Holes: 1440 Hole size: 3/7

Provide a brief summary of the formation treatment:

Open Hole: ☐

Cemented Liner 40 staged intervals: 85221 bbl pHaserFrac 22 XL Gel; 11960 bbl 22# Linear Gel; 929bbl 15% HCL; 26845 bbl SlickWater; 7963bbl Fresh Water;  
6691476# Proppant 20/40 Ottawa; 118432# Proppant 40/70 Ottawa.  
See attached wellbore diagram for details.

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

Total fluid used in treatment (bbl): 132918

Max pressure during treatment (psi): 6987

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): 929

Number of staged intervals: 40

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 29548

Fresh water used in treatment (bbl): 7963

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 6809908

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

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

### Test Information:

Date: 06/03/2015 Hours: 24 Bbl oil: 485 Mcf Gas: 221 Bbl H2O: 238  
Calculated 24 hour rate: Bbl oil: 485 Mcf Gas: 221 Bbl H2O: 238 GOR: 456  
Test Method: Separator Casing PSI: 830 Tubing PSI: 200 Choke Size: 28/64  
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1331 API Gravity Oil: 34  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 5630 Tbg setting date: 04/18/2015 Packer Depth: 5615

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:

Landing Collar is a 13646'. Cement fills the hole from 13646' 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: Engineer Tech Date: Email: elvera.berryman@whiting.com

## Attachment Check List

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

400886481 WELLBORE DIAGRAM

Total Attach: 1 Files

## General Comments

**User Group** **Comment**

**Comment Date**

Total: 0 comment(s)