

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: (303) 390-4923 Email: pollyt@whiting.com

5. API Number 05-123-37506-01 6. County: WELD 7. Well Name: Horsetail Well Number: 16-1610B 8. Location: QtrQtr: NWNE Section: 16 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: 08/23/2013 End Date: 08/26/2013 Date of First Production this formation: 09/18/2013

Perforations Top: 5868 Bottom: 9534 No. Holes: 576 Hole size:

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

24 stage PhaserFrac 25#: 231,696# 40/70 Ottawa sand, 3,928,743# 20/40 Ottawa sand, 364,184# 20/40 CRC, 97280 bbls slickwater

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

Total fluid used in treatment (bbl): 97280 Max pressure during treatment (psi): 5636 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): Number of staged intervals: 24 Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 16658 Fresh water used in treatment (bbl): 97280 Disposition method for flowback: DISPOSAL Total proppant used (lbs): 4524623 Rule 805 green completion techniques were utilized: [ ] Reason why green completion not utilized: PIPELINE

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 10/06/2013 Hours: 24 Bbl oil: 188 Mcf Gas: 120 Bbl H2O: 550 Calculated 24 hour rate: Bbl oil: 188 Mcf Gas: 120 Bbl H2O: 550 GOR: 638 Test Method: Jet Pump Casing PSI: 300 Tubing PSI: 3000 Choke Size: 24/64 Gas Disposition: FLARED Gas Type: DRY Btu Gas: 1482 API Gravity Oil: 34 Tubing Size: 2 + 7/8 Tubing Setting Depth: 4556 Tbg setting date: 02/06/2014 Packer Depth:

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: Pauleen Tobin

Title: Engineer Tech Date: 2/13/2014 Email pollyt@whiting.com  
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### **Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
400554808	FORM 5A SUBMITTED
400554819	WELLBORE DIAGRAM

Total Attach: 2 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Passes permitting.	09/25/2017
Permit	ON HOLD for sidetrack form 5 #400447769 corrections.	02/14/2016

Total: 2 comment(s)