

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:

400782239

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 05-123-39199-00	6. County: WELD
7. Well Name: Horsetail	Well Number: 30F-3108
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: 01/15/2015 End Date: 01/21/2015 Date of First Production this formation: 04/21/2015
Perforations Top: 6097 Bottom: 12919 No. Holes: 1440 Hole size: 3/8

Provide a brief summary of the formation treatment:

Open Hole: ☐

Cemented liner 40 staged intervals: SlickWater: 26146 bbl; pHaserFrac #22: 85099 bbl; 22# Linear Gel: 11943 bbl; 15% HCl: 119bbl;
Fresh Water: 6010 bbl.
Total Proppant: 6867676# 20/40 Ottawa; 111480# 40/70 Ottawa
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): 129318

Max pressure during treatment (psi): 6311

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): 0.80

Total acid used in treatment (bbl): 119

Number of staged intervals: 40

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 29054

Fresh water used in treatment (bbl): 6010

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 6979156

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized: _____

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 05/23/2015 Hours: 24 Bbl oil: 758 Mcf Gas: 91 Bbl H2O: 1017
Calculated 24 hour rate: Bbl oil: 758 Mcf Gas: 91 Bbl H2O: 1017 GOR: 120
Test Method: Separator Casing PSI: 840 Tubing PSI: 320 Choke Size: 36/64
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1628 API Gravity Oil: 34
Tubing Size: 2 + 3/8 Tubing Setting Depth: 5538 Tbg setting date: 03/25/2015 Packer Depth: 5525

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 9' passed 100' setback. The bottom 60' of wellbore will not produce. Landing Collar is a 13000. Cement fills the hole from 13000 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

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Attachment Check List

Att Doc Num **Name**

400857559 WELLBORE DIAGRAM

Total Attach: 1 Files

General Comments

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

Total: 0 comment(s)