

FORM
5ARev
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



DE ET OE ES

Document Number:

401466197

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
 2. Name of Operator: WHITING OIL & GAS CORPORATION
 3. Address: 1700 LINCOLN STREET SUITE 4700
 City: DENVER State: CO Zip: 80290
 4. Contact Name: Pauleen Tobin
 Phone: (303) 837-1661
 Fax:
 Email: pollyt@whiting.com

5. API Number 05-123-41452-01
 6. County: WELD
 7. Well Name: Horsetail
 Well Number: 08B-1711
 8. Location: QtrQtr: NWNE Section: 8 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: 08/10/2017 End Date: 08/19/2017 Date of First Production this formation: 09/19/2017

Perforations Top: 6006 Bottom: 15706 No. Holes: 2601 Hole size: 3/8

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

65 Stage Plug & Perf, 1226439 lbs 100 Mesh, 5178175 lbs 40/70 Prem White sand, 380 bbls 15% HCl, 254810 bbls slickwater

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

Total fluid used in treatment (bbl): 255190

Max pressure during treatment (psi): 8022

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): 380

Number of staged intervals: 65

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 5928

Fresh water used in treatment (bbl): 254810

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 6404614

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 10/26/2017 Hours: 24 Bbl oil: 359 Mcf Gas: 169 Bbl H2O: 545
 Calculated 24 hour rate: Bbl oil: 359 Mcf Gas: 169 Bbl H2O: 545 GOR: 471
 Test Method: Separator Casing PSI: 1000 Tubing PSI: 650 Choke Size: 22/64
 Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1276 API Gravity Oil: 36
 Tubing Size: 3 Tubing Setting Depth: 5544 Tbg setting date: 09/18/2017 Packer Depth: 5527

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:

Top of producing zone corrected to 738 FNL 1661 FEL based on top perforation at 6006'.
Corrected packer depth
Replace pound signs in frac description with pound abbreviation
Verified Total Fluid, Total Acid, & Fresh Water used in treatment

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: Regulatory Compliance Spe Date: _____ Email: pollyt@whiting.com
:

Attachment Check List

Att Doc Num **Name**

401466224	WELLBORE DIAGRAM
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Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineering Tech	Returned to DRAFT for review and repair per agreement with operator. Deficiencies previously acknowledged in prior requests.	06/30/2020

Total: 1 comment(s)