

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:

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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
 2. Name of Operator: WHITING OIL & GAS CORPORATION
 3. Address: 1700 LINCOLN STREET SUITE 4700
 City: DENVER State: CO Zip: 80290
 4. Contact Name: Bethany Kerley
 Phone: (303) 802-8376
 Fax:
 Email: bethany.kerley@whiting.com

5. API Number 05-123-38740-00
 6. County: WELD
 7. Well Name: Horsetail
 Well Number: 30F-1942
 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: 12/26/2014 End Date: 02/03/2015 Date of First Production this formation: 04/06/2015
 Perforations Top: 6089 Bottom: 13130 No. Holes: 1308 Hole size: 3/8

Provide a brief summary of the formation treatment:

Open Hole: ☐

36 stage Plug & Perf: 1000 bbl 15% HCL; 156196 bbl SlickWater; 3411598 lbs Proppant 20/40 Ottawa; 1657080 lbs Proppant 30/50 Ottawa; 94302 lbs Proppant 40/70 Ottawa. Stages 20 & 21 have been combined. See attached wellbore diagram for details.

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

Total fluid used in treatment (bbl): 157196

Max pressure during treatment (psi): 8015

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): 0.75

Total acid used in treatment (bbl): 1000

Number of staged intervals: 36

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 19940

Fresh water used in treatment (bbl): 156196

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 5162980

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: 588 Mcf Gas: 148 Bbl H2O: 310
 Calculated 24 hour rate: Bbl oil: 588 Mcf Gas: 148 Bbl H2O: 310 GOR: 252
 Test Method: Separator Casing PSI: 850 Tubing PSI: 270 Choke Size: 28/64
 Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1318 API Gravity Oil: 35
 Tubing Size: 2 + 3/8 Tubing Setting Depth: 5677 Tbg setting date: 04/09/2015 Packer Depth: 5666

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 54' into 100' setback. Liner set at 13195' after drilling rig was unable to get casing to bottom (possible debris in the hole obstructing progress) while running fiber optics. Bottom perforation is 593' outside of setback.

TPZ corrected to 2427 FNL 1422 FWL from final directionals surveys based on top perforation at 6089'.

Verified HCl value

Verified proppant, total fluid, acid used in treatment. Corrected fresh water volume.

Verified IP Data

Verified Tbg detail

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____

Print Name: Bethany Kerley _____

Title: Engineer Tech III _____

Date: _____

Email bethany.kerley@whiting.co _____

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Attachment Check List

Att Doc Num

Name

400876546

WELLBORE DIAGRAM

Total Attach: 1 Files

General Comments

User Group

Comment

Comment Date

Engineering
Tech

Returned to DRAFT for review and repair per agreement with operator. Deficiencies previously acknowledged in prior requests.

06/30/2020

Permit

-HCL values dont add up emailed operator.
-Ready to pass after correction

05/29/2018

Total: 2 comment(s)