

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:

400782524

Date Received:

09/22/2015

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: Elvera Berryman

Phone: (303) 390-4221

Fax: (303) 390-1598

Email: elvera.berryman@whiting.com

5. API Number 05-123-38743-00

7. Well Name: Horsetail

8. Location: QtrQtr: SENW Section: 30 Township: 10N Range: 57W Meridian: 6

9. Field Name: DJ HORIZONTAL NIOBRARA Field Code: 16950

6. County: WELD

Well Number: 30F-1948

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 02/14/2015 End Date: 02/20/2015 Date of First Production this formation: 04/29/2015
Perforations Top: 5981 Bottom: 12995 No. Holes: 1440 Hole size: 3/7

Provide a brief summary of the formation treatment:

Open Hole: ☐

Cemented Liner 40 staged intervals: 84824 bbl pHaserFrac 22 XL Gel; 11962 bbl 22# Linear Gel; 476 bbl 15% HCl; 25757 bbl SlickWater; 6914 bbl Treated Water.
6,762,267.00 # Proppant Ottawa 20/40; 116211# Proppant Ottawa 40/70.
See attached wellbore diagram for details.

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

Total fluid used in treatment (bbl): 129933

Max pressure during treatment (psi): 6147

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): 476

Number of staged intervals: 40

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 28882

Fresh water used in treatment (bbl): 129457

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 6878477

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 05/06/2014 Hours: 24 Bbl oil: 359 Mcf Gas: 162 Bbl H2O: 1239
Calculated 24 hour rate: Bbl oil: 359 Mcf Gas: 162 Bbl H2O: 1239 GOR: 451
Test Method: Separator Casing PSI: 960 Tubing PSI: 490 Choke Size: 38/64
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1352 API Gravity Oil: 59
Tubing Size: 2 + 3/8 Tubing Setting Depth: 5630 Tbg setting date: 03/21/2015 Packer Depth: 5618

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: Elvera Berryman

Title: Engineer Tech Date: 9/22/2015 Email: elvera.berryman@whiting.com

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------|
| 400782524 | FORM 5A SUBMITTED |
| 400886668 | WELLBORE DIAGRAM |

Total Attach: 2 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|--|---------------------|
| Permit | -Date of first production missing all else confirmed | 06/01/2018 |

Total: 1 comment(s)