

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:

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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                     | 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 |

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|--|-----------------------|
| 5. API Number 05-123-39240-00  | 6. County: WELD       |
| 7. Well Name: Horsetail  | Well Number: 33M-2804 |
| 8. Location: QtrQtr: SWSW Section: 33 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: 08/10/2014 End Date: 08/21/2014 Date of First Production this formation: 09/05/2014  
Perforations Top: 5813 Bottom: 14766 No. Holes: 1980 Hole size: 3/8  
Provide a brief summary of the formation treatment: Open Hole: ☐

Cemented Liner 40 staged intervals:  
Slickwater: 44620 bbl; QuadraFrac Crosslink Gel: 12873 bbl; Linear Gel: 19914bbl; Total 15% HCl used: 848 bbl; Vol. Slurry Tot.: 203312.30 bbl. Total Proppant: 10108540# 20/40 White Sand; 162140#40/70 White Sand. See attached wellbore diagram for details.

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

Total fluid used in treatment (bbl): 192255 Max pressure during treatment (psi): 7768  
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): 0.78  
Total acid used in treatment (bbl): 848 Number of staged intervals: 56  
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 34383  
Fresh water used in treatment (bbl): 192255 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 10270680 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: 10/21/2014 Hours: 24 Bbl oil: 368 Mcf Gas: 321 Bbl H2O: 1261  
Calculated 24 hour rate: Bbl oil: 368 Mcf Gas: 321 Bbl H2O: 1261 GOR: 872  
Test Method: Separator Casing PSI: 130 Tubing PSI: 220 Choke Size: 30/64  
Gas Disposition: FLARED Gas Type: DRY Btu Gas: 1 API Gravity Oil: 33  
Tubing Size: 2 + 7/8 Tubing Setting Depth: 4839 Tbg setting date: 09/03/2014 Packer Depth: 4839

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 127' passed 600' setback. The bottom 170' of wellbore will not produce. Float Collar is a 14766. Cement fills the hole from 14766 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

## Attachment Check List

| Att Doc Num | Name             |
|-------------|------------------|
| 400736150   | WELLBORE DIAGRAM |

Total Attach: 1 Files

## General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)