

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



DE	ET	OE	ES
----	----	----	----

Document Number:

400554808

Date Received:

02/13/2014

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: Pauleen Tobin
Phone: (303) 837-1661
Fax: (303) 390-4923
Email: pollyt@whiting.com

5. API Number 05-123-37506-01
6. County: WELD
7. Well Name: Horsetail
Well Number: 16-1610B
8. Location: QtrQtr: NWNE Section: 16 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: 08/23/2013 End Date: 08/26/2013 Date of First Production this formation: 09/18/2013

Perforations Top: 5868 Bottom: 9534 No. Holes: 576 Hole size:

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

24 stage PhaserFrac 25#: 231,696# 40/70 Ottawa sand, 3,928,743# 20/40 Ottawa sand, 364,184# 20/40 CRC, 97280 bbls slickwater

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

Total fluid used in treatment (bbl): 97280 Max pressure during treatment (psi): 5636

Total gas used in treatment (mcf): 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): Number of staged intervals: 24

Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 16658

Fresh water used in treatment (bbl): 97280 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 4524623 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: 10/06/2013 Hours: 24 Bbl oil: 188 Mcf Gas: 120 Bbl H2O: 550

Calculated 24 hour rate: Bbl oil: 188 Mcf Gas: 120 Bbl H2O: 550 GOR: 638

Test Method: Jet Pump Casing PSI: 300 Tubing PSI: 3000 Choke Size: 24/64

Gas Disposition: FLARED Gas Type: DRY Btu Gas: 1482 API Gravity Oil: 34

Tubing Size: 2 + 7/8 Tubing Setting Depth: 4556 Tbg setting date: 02/06/2014 Packer Depth:

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: Pauleen Tobin

Title: Engineer Tech Date: 2/13/2014 Email pollyt@whiting.com
:

Attachment Check List

Att Doc Num **Name**

400554808	FORM 5A SUBMITTED
400554819	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group **Comment** **Comment Date**

Permit	Passes permitting.	09/25/2017
Permit	ON HOLD for sidetrack form 5 #400447769 corrections.	02/14/2016

Total: 2 comment(s)