

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:

400345898

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: 10110

2. Name of Operator: GREAT WESTERN OPERATING COMPANY LLC

3. Address: 1700 BROADWAY SUITE 650

City: DENVER State: CO Zip: 80290

4. Contact Name: Shannon Hartnett

Phone: (303) 830-9893

Fax: (866) 522-1673

5. API Number 05-123-33515-00

7. Well Name: BOULTER

8. Location: QtrQtr: SENW Section: 27 Township: 5N Range: 65W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 0-2-27

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>03/29/2012</u>		End Date: <u>03/29/2012</u>		Date of First Production this formation: <u>05/02/2012</u>	
Perforations	Top: <u>7225</u>	Bottom: <u>7240</u>	No. Holes: <u>39</u>	Hole size: <u>7/20</u>	

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

Codell frac Slickwater Treatment  
 Codell frac Treatment Totals: Total 118,660 lbs 30/50 Ottawa, Pumped 0.5 ppa to 2.1 ppa in 2701 bbls of fluid. Total fluid pumped 4136.3 bbls.

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total fluid used in treatment (bbl): <u>4136</u>	Max pressure during treatment (psi): <u>5669</u>
Total gas used in treatment (mcf): <u>0</u>	Fluid density at initial fracture (lbs/gal): <u>8.34</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.75</u>
Total acid used in treatment (bbl): <u>0</u>	Number of staged intervals: <u>1</u>
Recycled water used in treatment (bbl): <u>0</u>	Flowback volume recovered (bbl): <u>1253</u>
Fresh water used in treatment (bbl): <u>4136</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>118660</u>	Rule 805 green completion techniques were utilized: <input checked="" type="checkbox"/>

Reason why green completion not utilized: \_\_\_\_\_

**Fracture stimulations must be reported on FracFocus.org**

**Test Information:**

Date: _____	Hours: _____	Bbl oil: _____	Mcf Gas: _____	Bbl H2O: _____
Calculated 24 hour rate: _____	Bbl oil: _____	Mcf Gas: _____	Bbl H2O: _____	GOR: _____
Test Method: _____	Casing PSI: _____	Tubing PSI: _____	Choke Size: _____	
Gas Disposition: _____	Gas Type: _____	Btu Gas: _____	API Gravity Oil: _____	
Tubing Size: _____	Tubing Setting Depth: _____	Tbg setting date: _____	Packer Depth: _____	

Reason for Non-Production:

Date formation Abandoned: _____	Squeeze: <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, number of sacks cmt _____
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\*\* Bridge Plug Depth: \_\_\_\_\_     
 \*\* Sacks cement on top: \_\_\_\_\_     
 \*\* Wireline and Cement Job Summary must be attached.

FORMATION: NIOBRARA-CODELL Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 05/02/2012

Perforations Top: 6935 Bottom: 7240 No. Holes: 64 Hole size: 7/20

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

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

Total fluid used in treatment (bbl): \_\_\_\_\_ Max pressure during treatment (psi): \_\_\_\_\_

Total gas used in treatment (mcf): \_\_\_\_\_ Fluid density at initial fracture (lbs/gal): \_\_\_\_\_

Type of gas used in treatment: \_\_\_\_\_ Min frac gradient (psi/ft): \_\_\_\_\_

Total acid used in treatment (bbl): \_\_\_\_\_ Number of staged intervals: \_\_\_\_\_

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

Fresh water used in treatment (bbl): \_\_\_\_\_ Disposition method for flowback: \_\_\_\_\_

Total proppant used (lbs): \_\_\_\_\_ Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized: \_\_\_\_\_

**Fracture stimulations must be reported on [FracFocus.org](http://FracFocus.org)**

**Test Information:**

Date: 05/03/2012 Hours: 24 Bbl oil: 2 Mcf Gas: 375 Bbl H2O: 3

Calculated 24 hour rate: Bbl oil: 2 Mcf Gas: 375 Bbl H2O: 0 GOR: 18750

Test Method: Test Separator Casing PSI: 2250 Tubing PSI: 300 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1259 API Gravity Oil: 52

Tubing Size: \_\_\_\_\_ Tubing Setting Depth: \_\_\_\_\_ Tbg setting date: \_\_\_\_\_ 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.

FORMATION: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION  
Treatment Date: 03/29/2012 End Date: 03/29/2012 Date of First Production this formation: 05/02/2012  
Perforations Top: 6935 Bottom: 7070 No. Holes: 25 Hole size: 7/20  
Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☐

Niobrara frac Slickwater Treatment  
Codell frac Treatment Totals: Total 200,580 lbs 40/70 Ottawa, 4,000 lbs 20/40 SLC Pumped 0.6 ppa to 2.0 ppa in 4168 bbls of fluid.  
Total fluid pumped 5890.1 bbls.

This formation is commingled with another formation: ☒ Yes ☐ No  
Total fluid used in treatment (bbl): 5890 Max pressure during treatment (psi): 5412  
Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.34  
Type of gas used in treatment: \_\_\_\_\_ Min frac gradient (psi/ft): 0.93  
Total acid used in treatment (bbl): 0 Number of staged intervals: 1  
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 1253  
Fresh water used in treatment (bbl): 5890 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 204580 Rule 805 green completion techniques were utilized: ☒  
Reason why green completion not utilized: \_\_\_\_\_

**Fracture stimulations must be reported on FracFocus.org**

**Test Information:**

Date: \_\_\_\_\_ Hours: \_\_\_\_\_ Bbl oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbl H2O: \_\_\_\_\_  
Calculated 24 hour rate: Bbl oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbl H2O: \_\_\_\_\_ GOR: \_\_\_\_\_  
Test Method: \_\_\_\_\_ Casing PSI: \_\_\_\_\_ Tubing PSI: \_\_\_\_\_ Choke Size: \_\_\_\_\_  
Gas Disposition: \_\_\_\_\_ Gas Type: \_\_\_\_\_ Btu Gas: \_\_\_\_\_ API Gravity Oil: \_\_\_\_\_  
Tubing Size: \_\_\_\_\_ Tubing Setting Depth: \_\_\_\_\_ Tbg setting date: \_\_\_\_\_ 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: Shannon Hartnett  
Title: Reg. Compl. Spec. Date: \_\_\_\_\_ Email: regulatorypermitting@gwogco.com  
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**Attachment Check List**

**Att Doc Num** **Name**

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Total Attach: 0 Files

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

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