

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:  
400345901

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**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: <u>10110</u>	4. Contact Name: <u>Shannon Hartnett</u>
2. Name of Operator: <u>GREAT WESTERN OPERATING COMPANY LLC</u>	Phone: <u>(303) 830-9893</u>
3. Address: <u>1801 BROADWAY #500</u>	Fax: <u>(866) 522-1673</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	

5. API Number <u>05-123-33517-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>BOULTER</u>	Well Number: <u>2-2-27</u>
8. Location: QtrQtr: <u>SENW</u> Section: <u>27</u> Township: <u>5N</u> Range: <u>65W</u> Meridian: <u>6</u>	
9. Field Name: <u>WATTENBERG</u> Field Code: <u>90750</u>	

**Completed Interval**

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/30/2012 End Date: 03/30/2012 Date of First Production this formation: 05/02/2012

Perforations Top: 7021 Bottom: 7035 No. Holes: 49 Hole size: 7/20

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

Codell frac Slickwater Treatment  
 Codell frac Treatment Totals: Total 116,660 lbs 30/50 Ottawa, Pumped 0.5 ppa to 2.0 ppa in 2674 bbls of fluid. Total fluid pumped 4097 bbls.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): <u>4097</u>	Max pressure during treatment (psi): <u>5927</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>0.66</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>1221</u>
Fresh water used in treatment (bbl): <u>4097</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>116660</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:  Yes  No If yes, number of sacks cmt \_\_\_\_\_

\*\* Bridge Plug Depth: \_\_\_\_\_ \*\* Sacks cement on top: \_\_\_\_\_ \*\* Wireline and Cement Job Summary must be attached.

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

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 05/02/2012  
Perforations Top: 6719 Bottom: 7035 No. Holes: 72 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: 3 Mcf Gas: 270 Bbl H2O: 3

Calculated 24 hour rate: Bbl oil: 3 Mcf Gas: 270 Bbl H2O: 0 GOR: 90000

Test Method: Test Separator Casing PSI: 1800 Tubing PSI: 1100 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: NIORARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/30/2012 End Date: 03/30/2012 Date of First Production this formation: 05/02/2012  
Perforations Top: 6719 Bottom: 6910 No. Holes: 23 Hole size: 7/20

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

Niobrara frac Slickwater Treatment  
Niobrara frac Treatment Totals: Total 199,640 lbs 40/70 Ottawa, 4,000 lbs 20/40 SLC Pumped 0.5 ppa to 2.0 ppa in 4050 bbls of fluid.  
Total fluid pumped 5674 bbls.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 5674 Max pressure during treatment (psi): 6514

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): 0.92

Total acid used in treatment (bbl): 0 Number of staged intervals: 1

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 1221

Fresh water used in treatment (bbl): 5674 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 203640 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: 9/6/2013 Email regulatorypermitting@gwogco.com

**Attachment Check List**

Att Doc Num	Name
400345901	FORM 5A SUBMITTED

Total Attach: 1 Files

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