

**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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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: <u>10110</u>	4. Contact Name: <u>Miracle Pfister</u>
2. Name of Operator: <u>GREAT WESTERN OPERATING COMPANY LLC</u>	Phone: <u>(303) 398-0550</u>
3. Address: <u>1801 BROADWAY #500</u>	Fax: _____
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>regulatorypermitting@gwogco.com</u>

5. API Number <u>05-123-24286-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>GREAT WESTERN</u>	Well Number: <u>27-33</u>
8. Location: QtrQtr: <u>NESE</u> Section: <u>27</u> Township: <u>6N</u> Range: <u>67W</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: 07/13/2012 End Date: 07/13/2012 Date of First Production this formation: 06/14/2007

Perforations Top: 7248 Bottom: 7268 No. Holes: 140 Hole size: 0.38

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

ReFrac perf Interval: 7249'-7264'. Codell re-frac Treatment Totals: Total 150,960 lbs 30/50 Ottawa, 4,000 lbs 20/40 SLC Pumped 0.5 ppa to 2.0 ppa in 3311 bbls of slickwater. Total fluid pumped 4934 bbls.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 4934 Max pressure during treatment (psi): 4713

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): 0.71

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

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 920

Fresh water used in treatment (bbl): 4934 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 154960 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.

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

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 06/30/2007

Perforations Top: 6930 Bottom: 7268 No. Holes: 275 Hole size: 0.38

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**

**Test Information:**

Date: 07/26/2012 Hours: 24 Bbl oil: 8 Mcf Gas: 20 Bbl H2O: 12

Calculated 24 hour rate: Bbl oil: 8 Mcf Gas: 20 Bbl H2O: 12 GOR: 2500

Test Method: Flowing Casing PSI: 1000 Tubing PSI: 700 Choke Size: 28/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1321 API Gravity Oil: 45

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7236 Tbg setting date: 07/17/2012 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: 07/13/2012 End Date: 07/13/2012 Date of First Production this formation: 06/30/2007

Perforations Top: 6930 Bottom: 7142 No. Holes: 135 Hole size: 0.38

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

ReFrac Perf Niobrara A 6931' - 6934', Niobrara B 7058' - 7063', Niobrara C 7135' - 7142'. Niobrara frac Treatment Totals: Total 200,260 lbs 40/70 Ottawa, 4,000 lbs 20/40 SLC Pumped 0.5 ppa to 2.0 ppa in 4313 bbls of slickwater. Total fluid pumped 5997.7 bbls.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 5998 Max pressure during treatment (psi): 5251

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): 0.94

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

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 920

Fresh water used in treatment (bbl): 5998 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 204260 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:

This Form 5A is for a Niobrara - Codell refrac performed on 7/13/2012. The date of first production for the Codell, Niobrara, and combined Niobrara-Codell tab has been updated to show the correct date. The original approved Form 5A (Doc # 1913847) had incorrectly reported the # perf holes on the Niobrara formation, and therefore the approved Form 5A (Doc # 1838132) reported the incorrect number of perf holes. The original frac job on 06/29/2007 shot 90 perforations in Niobrara formation. Therefore, the Form 5A (Doc # 1838132) should have reported 170 perfs for the entire wellbore. The refrac on 7/13/2012 shot 45 perforations in the Niobrara for a total of 135 perfs in the Niobrara, 60 perforations in the Codell for a total of 140 perfs in the Codell. The combined wellbore has the correctly reported 275 perforations.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: Print Name: Jack Desmond Title: Regulatory Analyst Date: Email: jdesmond@gwogco.com

Attachment Check List

Table with 2 columns: Att Doc Num, Name

Total Attach: 0 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)