

FORM  
5ARev  
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: 10110 4. Contact Name: Miracle Pfister  
 2. Name of Operator: GREAT WESTERN OPERATING COMPANY LLC Phone: (303) 398-0550  
 3. Address: 1801 BROADWAY #500 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80202 Email: regulatorypermitting@gwogco.com

5. API Number 05-123-24123-00 6. County: WELD  
 7. Well Name: GREAT WESTERN Well Number: 27-54  
 8. Location: QtrQtr: NESE Section: 27 Township: 6N Range: 67W Meridian: 6  
 9. Field Name: WATTENBERG Field Code: 90750

## Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATIONTreatment Date: 06/21/2012 End Date: 06/21/2012 Date of First Production this formation: 06/14/2007Perforations Top: 7088 Bottom: 7108 No. Holes: 140 Hole size: 0.38

Provide a brief summary of the formation treatment:

Open Hole: ☐

ReFrac Perf 7088-7103 Codell Refrac Treatment Totals: Total 150,660 lbs 30/50 Ottawa, 4000 lbs 20/40 SLC. Pumped 0.5 ppa to 2.0 ppa in 3230 bbls of slickwater. Total fluid pumped 4997 bbls.

This formation is commingled with another formation: ☒ Yes ☐ NoTotal fluid used in treatment (bbl): 4997Max pressure during treatment (psi): 4500Total gas used in treatment (mcf): 0Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment: \_\_\_\_\_

Min frac gradient (psi/ft): 0.75Total acid used in treatment (bbl): 0Number of staged intervals: 1Recycled water used in treatment (bbl): 0Flowback volume recovered (bbl): 978Fresh water used in treatment (bbl): 4997Disposition method for flowback: DISPOSALTotal proppant used (lbs): 154660Rule 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: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 06/27/2007

Perforations Top: 6772 Bottom: 7108 No. Holes: 281 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: 07/06/2012 Hours: 24 Bbl oil: 2 Mcf Gas: 15 Bbl H2O: 0

Calculated 24 hour rate: Bbl oil: 2 Mcf Gas: 15 Bbl H2O: 0 GOR: 7500

Test Method: Flowing Casing PSI: 575 Tubing PSI: 500 Choke Size: 24/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1316 API Gravity Oil: 45

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7073 Tbg setting date: 06/26/2012 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: 06/21/2012 End Date: 06/14/2012 Date of First Production this formation: 06/27/2007

Perforations Top: 6772 Bottom: 6985 No. Holes: 141 Hole size: 0.38

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

ReFrac Perf Niobrara A 6777' - 6780', Niobrara B 6907' - 6912', Niobrara C 6978' - 6985'.

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 4318 bbls of slickwater. Total fluid pumped 5924.3 bbls.

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

Total fluid used in treatment (bbl): 5924

Max pressure during treatment (psi): 4898

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): 0.91

Total acid used in treatment (bbl): 0

Number of staged intervals: 1

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 978

Fresh water used in treatment (bbl): 5924

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 the original niobrara and codell completion performed on 6/21/2012.

The date of first production for the Codell, Niobrara, and Niobrara-Codell tab is been updated to show the correct date.

The original approved Form 5A (Doc # 1913848) had incorrectly reported the # perf holes in the Niobrara, and therefore the Nio-Codl combined formations tab also incorrectly reported the # of perf holes. The original frac job on 06/26/2007 shot 96 perforations in Niobrara formation. Therefore the Form 5A (Doc # 1838130) should have reported 176 perforation holes on the Nio-Codl tab (80 perfs in the Codell formation is correct). The refrac on 6/21/2012 shot 60 perforations in the Codell and 45 perforations in the Niobrara. The combined original (176 perforations) and refrac (105 perforations) has been correctly updated to a total of 281 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

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)