

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:

401000957

Date Received:

01/31/2018

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: 1801 BROADWAY #500  
City: DENVER State: CO Zip: 80202  
4. Contact Name: Miracle Pfister  
Phone: (303) 398-0550  
Fax:  
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 STIMULATION  
Treatment Date: 06/21/2012 End Date: 06/21/2012 Date of First Production this formation: 06/14/2007  
Perforations 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 ☐ No

Total fluid used in treatment (bbl): 4997

Max pressure during treatment (psi): 4500

Total gas used in treatment (mcf):

Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment:

Min frac gradient (psi/ft): 0.75

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): 4997

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 154660

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: _____	
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: <input type="checkbox"/>		
This formation is commingled with another formation:			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: <input type="checkbox"/>		
Reason why green completion not utilized: _____					
<b>Fracture stimulations must be reported on FracFocus.org</b>					
<b><u>Test Information:</u></b>					
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: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>					
Date formation Abandoned: _____	Squeeze: <input type="checkbox"/> Yes <input type="checkbox"/> 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):

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: 1/31/2018 Email: jdesmond@gwogco.com

### Attachment Check List

Att Doc Num Name

401000957 FORM 5A SUBMITTED

Total Attach: 1 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Returned to draft for AOC settlement.	12/07/2016

Total: 1 comment(s)