

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:

401790040

Date Received:

11/08/2018

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: 1001 17TH STREET #2000  
City: DENVER State: CO Zip: 80202  
4. Contact Name: Miracle Pfister  
Phone: (720) 595-2250  
Fax:  
Email: regulatorypermitting@gwogco.com

5. API Number 05-001-09115-00  
6. County: ADAMS  
7. Well Name: CHRISTIANSEN  
Well Number: 12-9  
8. Location: QtrQtr: SWNW Section: 9 Township: 1S Range: 67W Meridian: 6  
9. Field Name: SPINDLE Field Code: 77900

Completed Interval

FORMATION: J SAND Status: TEMPORARILY ABANDONED Treatment Type:  
Treatment Date: End Date: Date of First Production this formation:  
Perforations Top: 8367 Bottom: 8397 No. Holes: 48 Hole size:  
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: 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: On 5/15/2018 a RBP was set @ 8250' for offset mitigation/well safety prep. This well is closed to atmosphere by 5K wellhead.  
Date formation Abandoned: 05/15/2018 Squeeze: ☐ Yes ☐ No If yes, number of sacks cmt  
\*\* Bridge Plug Depth: 8250 \*\* Sacks cement on top: \*\* Wireline and Cement Job Summary must be attached.

FORMATION: NIOBRARA-FT HAYS-CODELL Status: TEMPORARILY ABANDONED Treatment Type: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: \_\_\_\_\_

Perforations Top: 7533 Bottom: 7939 No. Holes: 29 Hole size: \_\_\_\_\_

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: \_\_\_\_\_ 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: On 5/15/2018 a RBP was set @ 7460' for offset mitigation/well safety prep. This well is closed to atmosphere by 5K wellhead.

Date formation Abandoned: 05/15/2018 Squeeze: ☐ Yes ☐ No If yes, number of sacks cmt \_\_\_\_\_

\*\* Bridge Plug Depth: 7460 \*\* Sacks cement on top: \_\_\_\_\_ \*\* Wireline and Cement Job Summary must be attached.

Comment:

This well has been temporarily abandoned due to offset frac mitigation utilizing a RBP, for the GW Ocho LD Pad. See the attached operations summary.

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: 11/8/2018 Email: jdesmond@gwogco.com

**Attachment Check List**

Att Doc Num	Name
401790040	FORM 5A SUBMITTED
401790055	OPERATIONS SUMMARY

Total Attach: 2 Files

**General Comments**

User Group	Comment	Comment Date
Engineer	documenting RBPs set for offset activity - to be removed as part of plugging, replaced with CIBPs	11/11/2018

Total: 1 comment(s)