

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



DE ET OE ES

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  
 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 05-001-10468-00  
 6. County: ADAMS  
 7. Well Name: Rio LC  
 Well Number: 12-369HNX  
 8. Location: QtrQtr: NWNW Section: 6 Township: 1S Range: 67W Meridian: 6  
 9. Field Name: WATTENBERG Field Code: 90750

## Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION  
 Treatment Date: 09/26/2019 End Date: 10/17/2019 Date of First Production this formation: 11/19/2019  
 Perforations Top: 8556 Bottom: 17851 No. Holes: 1560 Hole size: 38/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

3,202 bbls 15% HCL Acid; 766,390# 100 Mesh Sand; 7,919,120# 20/40 Sand; 220,868 bbls Gelled Fluid; Flowback determined from well test separator.

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

Total fluid used in treatment (bbl): 224070

Max pressure during treatment (psi): 5288

Total gas used in treatment (mcf):

Fluid density at initial fracture (lbs/gal): 8.33

Type of gas used in treatment:

Min frac gradient (psi/ft): 0.86

Total acid used in treatment (bbl): 3202

Number of staged intervals: 60

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 37974

Fresh water used in treatment (bbl): 220868

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 8685510

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

## Test Information:

Date: 11/22/2019 Hours: 24 Bbl oil: 530 Mcf Gas: 987 Bbl H2O: 722  
 Calculated 24 hour rate: Bbl oil: 530 Mcf Gas: 987 Bbl H2O: 722 GOR: 1862  
 Test Method: Flowing Casing PSI: 43 Tubing PSI: 1314 Choke Size: 20/64  
 Gas Disposition: SOLD Gas Type: WET Btu Gas: 1387 API Gravity Oil: 45  
 Tubing Size: 2 + 3/8 Tubing Setting Depth: 7773 Tbg setting date: 10/28/2019 Packer Depth: 7755

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:

The bottom of the completed interval is at 531' FSL and 1621' FEL of Section 12.  
During stimulation the wellbore was isolated by a composite bridge plug set at 17810'.  
Great Western certifies that none of the wellbore beyond the unit boundary setback was completed.

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  
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### Attachment Check List

Att Doc Num      Name

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Total Attach: 0 Files

### General Comments

User Group      Comment      Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)