

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:

401686370

Date Received:

12/06/2018

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 05-123-45383-00  
6. County: WELD  
7. Well Name: Marcus LD  
Well Number: 11-371HNX  
8. Location: QtrQtr: SESE Section: 34 Township: 1N Range: 67W Meridian: 6  
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION  
Treatment Date: 02/12/2018 End Date: 03/11/2018 Date of First Production this formation: 04/04/2018  
Perforations Top: 8706 Bottom: 17497 No. Holes: 1416 Hole size: 0.38

Provide a brief summary of the formation treatment:

Open Hole: ☐

733,942 lbs 100 Mesh Sand; 7,809,126 lbs 20/40 Sand; 2,902 bbls 15% HCL Acid; 228,856 bbls Gelled Fluid. Flowback determined from well test separator.

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

Total fluid used in treatment (bbl): 231758

Max pressure during treatment (psi): 7295

Total gas used in treatment (mcf): 0

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

Type of gas used in treatment:

Min frac gradient (psi/ft): 0.97

Total acid used in treatment (bbl): 2902

Number of staged intervals: 59

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 12463

Fresh water used in treatment (bbl): 228856

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 8543068

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 04/10/2018 Hours: 24 Bbl oil: 509 Mcf Gas: 527 Bbl H2O: 307  
Calculated 24 hour rate: Bbl oil: 509 Mcf Gas: 527 Bbl H2O: 307 GOR: 1035  
Test Method: Flowing Casing PSI: 2168 Tubing PSI: 1680 Choke Size: 16/64  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1321 API Gravity Oil: 45  
Tubing Size: 2 + 7/8 Tubing Setting Depth: 8382 Tbg setting date: 03/29/2018 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:

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: 12/6/2018

Email: jdesmond@gwogco.com

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### **Attachment Check List**

**Att Doc Num**

**Name**

401686370

FORM 5A SUBMITTED

Total Attach: 1 Files

### **General Comments**

**User Group**

**Comment**

**Comment Date**

Permit	•Passed Permitting Review.	12/11/2018
Permit	Returned to Draft: •Met Bulk Return Threshold of Global Settlement.	11/21/2018

Total: 2 comment(s)