

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:

401686321

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 05-123-45385-00  
6. County: WELD  
7. Well Name: Marcus LD  
Well Number: 11-376HNN  
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: 01/17/2018 End Date: 02/09/2018 Date of First Production this formation: 03/14/2018

Perforations Top: 8416 Bottom: 16018 No. Holes: 1326 Hole size: 0.38

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

632,400 lbs 100 Mesh Sand; 12,270 lbs 40/70 Sand; 6,748,733 lbs 20/40 Sand; 2,194 bbls 15% HCL Acid; 184,974 bbls Gelled Fluid. Flowback determined from well test separator

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

Total fluid used in treatment (bbl): 187168 Max pressure during treatment (psi): 6180

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): 0.95

Total acid used in treatment (bbl): 2194 Number of staged intervals: 51

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 23814

Fresh water used in treatment (bbl): 184974 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 7393403 Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 03/18/2018 Hours: 24 Bbl oil: 367 Mcf Gas: 421 Bbl H2O: 334

Calculated 24 hour rate: Bbl oil: 367 Mcf Gas: 421 Bbl H2O: 334 GOR: 1147

Test Method: Flowing Casing PSI: 1800 Tubing PSI: 1100 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: 8056 Tbg setting date: 02/25/2018 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:

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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**

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Total Attach: 0 Files

### General Comments

**User Group**      **Comment**

**Comment Date**

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|  |  | Stamp Upon Approval |
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Total: 0 comment(s)