

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: Renee Kendrick
 Phone: (720) 595-2114
 Fax:
 Email: rkendrick@gwogco.com

5. API Number 05-123-48288-00
 6. County: WELD
 7. Well Name: Ottesen LE
 Well Number: 06-370HN
 8. Location: QtrQtr: NWSE Section: 33 Township: 1N Range: 66W Meridian: 6
 9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/05/2019 End Date: 03/16/2019 Date of First Production this formation: 04/09/2019

Perforations Top: 10755 Bottom: 17901 No. Holes: 1248 Hole size: 19/50

Provide a brief summary of the formation treatment:

Open Hole: ☐

2,040 bbls 15% HCL Acid; 581,270# 100 Mesh Sand; 6,626,040# 20/40 Sand; 171,455 bbls Gelled Fluid; Flowback determined from well test separator

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

Total fluid used in treatment (bbl): 173495

Max pressure during treatment (psi): 4584

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): 0.89

Total acid used in treatment (bbl): 2040

Number of staged intervals: 48

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 31110

Fresh water used in treatment (bbl): 171455

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 7207310

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 04/09/2019 Hours: 24 Bbl oil: 195 Mcf Gas: 228 Bbl H2O: 747
 Calculated 24 hour rate: Bbl oil: 195 Mcf Gas: 228 Bbl H2O: 747 GOR: 1169
 Test Method: Flowing Casing PSI: 2400 Tubing PSI: 1375 Choke Size: 16/64
 Gas Disposition: SOLD Gas Type: WET Btu Gas: 1416 API Gravity Oil: 41
 Tubing Size: 2 + 3/8 Tubing Setting Depth: 10236 Tbg setting date: 03/26/2019 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:

The bottom of the completed interval is at 502' FSL and 2445' FEL of Section 6. During stimulation the wellbore was isolated by a composite bridge plug set at 17915'. The toe sleeve is @ 17,958, with zonal isolation below this point provided by cement from 17,958-18,231' behind pipe and 18,222'- 18,231' inside the production casing, see cement job summary. 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: Renee Kendrick _____

Title: Sr Regulatory Analyst _____

Date: _____

Email rkendrick@gwogco.com _____

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Attachment Check List

Att Doc Num

Name

402150457

CEMENT JOB SUMMARY

Total Attach: 1 Files

General Comments

User Group

Comment

Comment Date

Permit

Returned to Draft:
•Bulk Return Threshold has been exceeded. Form was not reviewed.

09/13/2019

Total: 1 comment(s)