

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:

400498602

Date Received:

01/31/2018

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: <u>10110</u>	4. Contact Name: <u>Miracle Pfister</u>
2. Name of Operator: <u>GREAT WESTERN OPERATING COMPANY LLC</u>	Phone: <u>(303) 398-0550</u>
3. Address: <u>1801 BROADWAY #500</u>	Fax: _____
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>regulatorypermitting@gwogco.com</u>

5. API Number <u>05-123-24286-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>GREAT WESTERN</u>	Well Number: <u>27-33</u>
8. Location: QtrQtr: <u>NESE</u> Section: <u>27</u> Township: <u>6N</u> Range: <u>67W</u> Meridian: <u>6</u>	
9. Field Name: <u>WATTENBERG</u> Field Code: <u>90750</u>	

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 07/13/2012 End Date: 07/13/2012 Date of First Production this formation: 06/14/2007

Perforations Top: 7248 Bottom: 7268 No. Holes: 140 Hole size: 0.38

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

ReFrac perf Interval: 7249'-7264'. Codell re-frac Treatment Totals: Total 150,960 lbs 30/50 Ottawa, 4,000 lbs 20/40 SLC Pumped 0.5 ppa to 2.0 ppa in 3311 bbls of slickwater. Total fluid pumped 4934 bbls.

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 4934 Max pressure during treatment (psi): 4713

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): 0.71

Total acid used in treatment (bbl): 0 Number of staged intervals: 1

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 920

Fresh water used in treatment (bbl): 4934 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 154960 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: _____

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.

FORMATION: NIOBRARA-CODELL Status: PRODUCING Treatment Type: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: 06/30/2007

Perforations Top: 6930 Bottom: 7268 No. Holes: 275 Hole size: 0.38

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: 07/26/2012 Hours: 24 Bbl oil: 8 Mcf Gas: 20 Bbl H2O: 12

Calculated 24 hour rate: Bbl oil: 8 Mcf Gas: 20 Bbl H2O: 12 GOR: 2500

Test Method: Flowing Casing PSI: 1000 Tubing PSI: 700 Choke Size: 28/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1321 API Gravity Oil: 45

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7236 Tbg setting date: 07/17/2012 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.

FORMATION: NIORRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 07/13/2012 End Date: 07/13/2012 Date of First Production this formation: 06/30/2007

Perforations Top: 6930 Bottom: 7142 No. Holes: 135 Hole size: 0.38

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

ReFrac Perf Niobrara A 6931' - 6934', Niobrara B 7058' - 7063', Niobrara C 7135' - 7142'.
 Niobrara frac Treatment Totals: Total 200,260 lbs 40/70 Ottawa, 4,000 lbs 20/40 SLC Pumped 0.5 ppa to 2.0 ppa in 4313 bbls of slickwater. Total fluid pumped 5997.7 bbls.

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 5998 Max pressure during treatment (psi): 5251

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): 0.94

Total acid used in treatment (bbl): 0 Number of staged intervals: 1

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 920

Fresh water used in treatment (bbl): 5998 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 204260 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: _____

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:

This Form 5A is for a Niobrara - Codell refrac performed on 7/13/2012.

The date of first production for the Codell, Niobrara, and combined Niobrara-Codell tab has been updated to show the correct date.

The original approved Form 5A (Doc # 1913847) had incorrectly reported the # perf holes on the Niobrara formation, and therefore the approved Form 5A (Doc # 1838132) reported the incorrect number of perf holes. The original frac job on 06/29/2007 shot 90 perforations in Niobrara formation. Therefore, the Form 5A (Doc # 1838132) should have reported 170 perfs for the entire wellbore. The refrac on 7/13/2012 shot 45 perforations in the Niobrara for a total of 135 perfs in the Niobrara, 60 perforations in the Codell for a total of 140 perfs in the Codell. The combined wellbore has the correctly reported 275 perforations.

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: 1/31/2018 Email: jdesmond@gwogco.com

Attachment Check List

Att Doc Num **Name**

400498602	FORM 5A SUBMITTED
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Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Returned to draft for AOC settlement.	12/07/2016
Permit	Per Operator request returned to draft	07/09/2015
Permit	Form is incomplete. Opr notified of the following errors and sent back to draft. No formation treatment summary, recycled water used in treatment is blank, Tubing data is missing.	03/24/2014

Total: 3 comment(s)