

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:

400497824

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>05-123-27276-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>GREAT WESTERN</u>	Well Number: <u>27-44</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: 06/16/2012 End Date: 06/16/2012 Date of First Production this formation: 06/14/2007

Perforations Top: 7154 Bottom: 7174 No. Holes: 160 Hole size: 0.38

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

ReFrac perf 7154-7174 Codell frac Treatment Totals: Total 150,3000 lbs 30/50 Ottawa, 4,000 lbs 20/40 SLC Pumped 0.5 ppa to 2.0 ppa in 3124 bbls of slickwater. Total fluid pumped 4919 bbls.

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 4919 Max pressure during treatment (psi): 4897

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): 0.73

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

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 988

Fresh water used in treatment (bbl): 4919 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 154300 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: 06/27/2007

Perforations Top: 6838 Bottom: 7174 No. Holes: 319 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: 1200 Tubing PSI: 1050 Choke Size: 24/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1316 API Gravity Oil: 45

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7139 Tbg setting date: 06/19/2012 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: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION
 Treatment Date: 06/16/2012 End Date: 06/16/2012 Date of First Production this formation: 06/27/2007
 Perforations Top: 6838 Bottom: 7048 No. Holes: 159 Hole size: 0.38
 Provide a brief summary of the formation treatment: Open Hole:
 ReFrac Perf Niobrara A 6840' - 6843', Niobrara B 6969' - 6974', Niobrara C 7041' - 7048'.
 Niobrara re frac Treatment Totals: Total 204,060 lbs 40/70 Ottawa, 4,000 lbs 20/40 SLC Pumped 0.5 ppa to 2.0 ppa in 4383 bbls of slickwater. Total fluid pumped 6161 bbls.

This formation is commingled with another formation: Yes No
 Total fluid used in treatment (bbl): 6161 Max pressure during treatment (psi): 5256
 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): 0.93
 Total acid used in treatment (bbl): 0 Number of staged intervals: 1
 Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 988
 Fresh water used in treatment (bbl): 6161 Disposition method for flowback: DISPOSAL
 Total proppant used (lbs): 208060 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 codell-niobrara refrac performed on 6/16/2012.
 The date of first production for the Codell and combined Niobrara-Codell tab has been updated to show the correct date.
 The original approved Form 5A (Doc # 1914000) had incorrectly reported the # perf holes in the Niobrara, and therefore the Form 5A (Doc # 1876327) was also incorrectly reported. The original frac job on 06/26/2007 shot 114 perforations in Niobrara formation. This would make the combined perforations number to be 194 (original 80 perfs in codell was correct). The refrac on 6/16/2012 shot 45 perforations in the Niobrara for a total of 159 perforation, and shot 80 perfs in the Codell for a total of 160 perfs in the formation. The combined number of perfs in the entire wellbore is 319.

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
400497824	FORM 5A SUBMITTED

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	Tubing information is incomplete.	09/08/2015
Permit	Per Operator request returned to draft	07/09/2015
Permit	Missing narative for details of treatment. Form returned to draft.	10/30/2013

Total: 4 comment(s)