

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:

401000917

Date Received:

02/08/2018

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: 1801 BROADWAY #500
City: DENVER State: CO Zip: 80202
4. Contact Name: Miracle Pfister
Phone: (303) 398-0550
Fax:
Email: regulatorypermitting@gwogco.com

5. API Number 05-123-27277-00
6. County: WELD
7. Well Name: GREAT WESTERN
Well Number: 27-43
8. Location: QtrQtr: NESE Section: 27 Township: 6N Range: 67W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION
Treatment Date: 06/29/2012 End Date: 06/29/2012 Date of First Production this formation: 06/14/2007
Perforations Top: 7134 Bottom: 7154 No. Holes: 125 Hole size: 0.38

Provide a brief summary of the formation treatment:

Open Hole: ☐

ReFrac Perf 7134-7149. Total 150,960 lbs 30/50 Ottawa, 4,000 lbs 20/40 SLC Pumped 0.5 ppa to 2.0 ppa in 3325 bbls of slickwater. Total fluid pumped 4948 bbls.

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

Total fluid used in treatment (bbl): 4948

Max pressure during treatment (psi): 4388

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): 0.78

Total acid used in treatment (bbl): 0

Number of staged intervals: 1

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 363

Fresh water used in treatment (bbl): 4948

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.

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|--|-----------|-------------------|--|---|--|
| FORMATION: NIOBRARA-CODELL | | Status: PRODUCING | | Treatment Type: _____ | |
| Treatment Date: _____ | | End Date: _____ | | Date of First Production this formation: 06/30/2007 | |
| Perforations | Top: 6826 | Bottom: 7154 | No. Holes: 269 | Hole size: 0.38 | |
| Provide a brief summary of the formation treatment: | | | Open Hole: <input type="checkbox"/> | | |
| This formation is commingled with another formation: | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: <input type="checkbox"/> | | |
| Reason why green completion not utilized: _____ | | | | | |

Fracture stimulations must be reported on FracFocus.org

Test Information:

| | | | | |
|--------------------------|----------------------------|------------------------------|---------------------|------------|
| Date: 07/25/2012 | Hours: 24 | Bbl oil: 8 | Mcf Gas: 22 | Bbl H2O: 0 |
| Calculated 24 hour rate: | Bbl oil: 8 | Mcf Gas: 22 | Bbl H2O: 0 | GOR: 2750 |
| Test Method: Flowing | Casing PSI: 1400 | Tubing PSI: 1100 | 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: 7123 | Tbg setting date: 07/08/2012 | 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: 07/03/2012 End Date: 07/03/2012 Date of First Production this formation: 06/30/2007

Perforations Top: 6826 Bottom: 7031 No. Holes: 144 Hole size: 0.38

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

ReFrac Perf Niobrara A 6827' - 6830', Niobrara B 6955' - 6960', Niobrara C 7024' - 7031'.

Niobrara frac Treatment Totals: Total 200,440 lbs 30/50 Ottawa, 4,000 lbs 20/40 SLC Pumped 0.5 ppa to 2.0 ppa in 4438 bbls of slickwater. Total fluid pumped 6083 bbls.

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

Total fluid used in treatment (bbl): 6083

Max pressure during treatment (psi): 4890

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): 1491

Fresh water used in treatment (bbl): 6083

Disposition method for flowback:

Total proppant used (lbs): 204440

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 6/29/2012 and 7/3/2012.

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 # 1914847) had incorrectly reported the # perf holes in the Niobrara, and therefore the Form 5A (Doc # 1838189) for the Nio-Codl combined tab was also incorrectly reported. The original frac job on 06/29/2007 shot 99 perforations in Niobrara formation. The Form 5A (Doc # 1838189) should have reported the total perforations in the wellbore to be 179 (original 80 perfs in codell was correct). The refrac on 7/3/2012 shot 45 perforations for a total of 144 perforation in the Niobrara. The refrac on 6/29/2012 shot 45 perfs in the Codell for a total of 125 perfs in the Codell formation. The combined number of perfs in the entire wellbore is 269.

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: 2/8/2018 Email: jdesmond@gwogco.com

Attachment Check List

Att Doc Num Name

401000917 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 |

Total: 1 comment(s)