

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:

402034403

Date Received:

09/18/2019

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 05-001-10253-00
6. County: ADAMS
7. Well Name: Schaefer LD
Well Number: 13-033HN
8. Location: QtrQtr: SWSE Section: 24 Township: 1S Range: 67W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION
Treatment Date: 03/19/2019 End Date: 04/04/2019 Date of First Production this formation: 04/27/2019
Perforations Top: 8202 Bottom: 17755 No. Holes: 1664 Hole size: 19/50

Provide a brief summary of the formation treatment:

Open Hole: ☐

1,931 bbls 15% HCL Acid; 761,331# 100 Mesh Sand; 8,818,256# 20/40 Sand; 213,428 bbls Gelled Fluid; Flowback determined from well test separator

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

Total fluid used in treatment (bbl): 215359

Max pressure during treatment (psi): 6301

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): 0.86

Total acid used in treatment (bbl): 1931

Number of staged intervals: 64

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 40299

Fresh water used in treatment (bbl): 213428

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 9579587

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 04/27/2019 Hours: 24 Bbl oil: 264 Mcf Gas: 356 Bbl H2O: 926
Calculated 24 hour rate: Bbl oil: 264 Mcf Gas: 356 Bbl H2O: 926 GOR: 1348
Test Method: Flowing Casing PSI: 2151 Tubing PSI: 1475 Choke Size: 16/64
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1341 API Gravity Oil: 42
Tubing Size: 2 + 3/8 Tubing Setting Depth: 7794 Tbg setting date: 04/10/2019 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 526' FNL, and 1956' FEL of Section 13. During stimulation the wellbore was isolated by a composite bridge plug set at 17773'. The toe sleeve is @ 17,809', with zonal isolation below this point provided by cement from 17,809-18,044' behind pipe and 18,033-18,044' 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: 9/18/2019

Email rkendrick@gwogco.com

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Attachment Check List

Att Doc Num **Name**

402034403	FORM 5A SUBMITTED
402151399	CEMENT JOB SUMMARY

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	•Permitting review complete and passed task.	10/23/2019
Engineer	•Engineering review complete	10/18/2019
Permit	Returned to Draft: •Bulk Return Threshold has been exceeded. Form was not reviewed.	09/13/2019

Total: 3 comment(s)