

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



Table with columns DE, ET, OE, ES

Document Number: 401790837 Date Received: 11/08/2018

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: 1001 17TH STREET #2000 City: DENVER State: CO Zip: 80202 4. Contact Name: Miracle Pfister Phone: (720) 595-2250 Fax: Email: regulatorypermitting@gwogco.com

5. API Number 05-001-09439-00 6. County: ADAMS 7. Well Name: HSR STATE Well Number: 6-16 8. Location: QtrQtr: NWNW Section: 16 Township: 1S Range: 67W Meridian: 6 9. Field Name: SPINDLE Field Code: 77900

Completed Interval

FORMATION: DAKOTA Status: TEMPORARILY ABANDONED Treatment Type: Treatment Date: End Date: Date of First Production this formation: Perforations Top: 8567 Bottom: 8600 No. Holes: 57 Hole size: Provide a brief summary of the formation treatment: Open Hole: This formation is commingled with another formation: 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: 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: On 5/22/2018 a RBP was set @ 8090' for offset mitigation/safety prep. This well is closed to atmosphere by 5K wellhead.

Date formation Abandoned: 05/22/2018 Squeeze: Yes No If yes, number of sacks cmt ** Bridge Plug Depth: 8090 ** Sacks cement on top: ** Wireline and Cement Job Summary must be attached.

FORMATION: J SAND Status: TEMPORARILY ABANDONED Treatment Type: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: _____

Perforations Top: 8397 Bottom: 8431 No. Holes: 84 Hole size: _____

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: _____ 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: On 5/22/2018 a RBP was set @ 8090' for offset mitigation/safety prep. This well is closed to atmosphere by 5K wellhead.

Date formation Abandoned: 05/22/2018 Squeeze: Yes No If yes, number of sacks cmt _____

** Bridge Plug Depth: 8090 ** Sacks cement on top: _____ ** Wireline and Cement Job Summary must be attached.

FORMATION: NIOBRARA-CODELL Status: TEMPORARILY ABANDONED Treatment Type: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: _____

Perforations Top: 7534 Bottom: 7978 No. Holes: 123 Hole size: _____

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: _____ 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: On 5/22/2018 a RBP was set @ 7450' for offset mitigation/safety prep. This well is closed to atmosphere by 5K wellhead.

Date formation Abandoned: 05/22/2018 Squeeze: Yes No If yes, number of sacks cmt _____

** Bridge Plug Depth: 7450 ** Sacks cement on top: _____ ** Wireline and Cement Job Summary must be attached.

Comment:

This well has been temporarily abandoned due to offset frac mitigation utilizing a RBP, for the GW Ocho LD Pad. See the attached operations summary.

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: 11/8/2018 Email: jdesmond@gwogco.com

Attachment Check List

Att Doc Num	Name
401790837	FORM 5A SUBMITTED
401802952	OPERATIONS SUMMARY

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
Engineer	submitted to document offset prep - RBPs to be removed and replaced by CIBPs during plugging	11/11/2018

Total: 1 comment(s)