

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



DE	ET	OE	ES
----	----	----	----

Document Number:

400477118

Date Received:

09/06/2013

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: Shannon Hartnett
Phone: (303) 398-0351
Fax:
Email: regulatorypermitting@gwogco.com

5. API Number 05-123-33252-00
6. County: WELD
7. Well Name: Hood
Well Number: 6-2-20
8. Location: QtrQtr: SESE Section: 17 Township: 6N Range: 66W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 12/17/2011 End Date: 12/17/2011 Date of First Production this formation: 01/12/2012

Perforations Top: 7599 Bottom: 7615 No. Holes: 34 Hole size: 7/20

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

Total Fluid: 4105 bbls, total proppant 115,120 lbs 30/50 white sand.

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

Total fluid used in treatment (bbl): 4105

Max pressure during treatment (psi): 5498

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment:

Min frac gradient (psi/ft): 0.88

Total acid used in treatment (bbl): 0

Number of staged intervals: 1

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 670

Fresh water used in treatment (bbl): 4105

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 115120

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: FRACTURE STIMULATION

Treatment Date: _____ End Date: _____ Date of First Production this formation: 01/12/2012

Perforations Top: 7289 Bottom: 7615 No. Holes: 48 Hole size: 7/20

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: 01/13/2012 Hours: 24 Bbl oil: 156 Mcf Gas: 109 Bbl H2O: 17

Calculated 24 hour rate: Bbl oil: 156 Mcf Gas: 109 Bbl H2O: 17 GOR: 699

Test Method: Test Separator Casing PSI: 1840 Tubing PSI: 1480 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1254 API Gravity Oil: 48

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7584 Tbg setting date: 11/23/2011 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: 01/02/2012 End Date: 01/04/2012 Date of First Production this formation: 01/11/2012

Perforations Top: 7289 Bottom: 7507 No. Holes: 14 Hole size: 7/20

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

Total 204,051 lbs, 200,051 40/70 Ottawa, 4,000 lbs 20/40 Super LC. Pumped 0.5 ppa to 2.0 ppa. Total fluid pumped 6,140 bbls.

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

Total fluid used in treatment (bbl): 6140 Max pressure during treatment (psi): 6300

Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment: _____ Min frac gradient (psi/ft): 0.89

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

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 1117

Fresh water used in treatment (bbl): 6140 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 204051 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: _____

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Shannon Hartnett

Title: Reg. Compl. Spec. Date: 9/6/2013 Email: regulatorypermitting@gwogco.com

Attachment Check List

Att Doc Num	Name
400477118	FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Received other tubing parameters. Ready to pass.	2/21/2014 8:57:40 AM
Permit	Corrected Niobrara top and Niobrara proppant typos. Received frac summaries. There is tubing pressure but no other tubing info.	2/21/2014 8:36:07 AM

Total: 2 comment(s)