

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:

400486454

Date Received:

09/26/2013

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: Callie Fiddes
Phone: (303) 398-0550
Fax: _____

5. API Number 05-123-35571-00
6. County: WELD
7. Well Name: Detterer FD
Well Number: 25-6D
8. Location: QtrQtr: NWNE Section: 25 Township: 6N Range: 67W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>12/20/2012</u>		End Date: <u>12/20/2012</u>		Date of First Production this formation: <u>01/11/2013</u>	
Perforations	Top: <u>7250</u>	Bottom: <u>7265</u>	No. Holes: <u>39</u>	Hole size: <u>7/20</u>	

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

Codell frac Treatment Totals: Total 186,600 lbs 20/40 Ottawa, 4,000 lbs 20/40 SLPumped 1.0 ppa to 4.0 ppa in 1704 bbls of fluid. Total fluid pumped 3062.0 bbls.
 MIRU PSIWL RU Lubricator to Frac Manifold, PU & RIH 4 1/2" CBP & 20' x 3 1/8" 3SPF Casing Gun, RIH correlate depth, Set CBP @ 7204', PUH & correlate depth

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Total fluid used in treatment (bbl): <u>3062</u>	Max pressure during treatment (psi): <u>4268</u>	
Total gas used in treatment (mcf): <u>0</u>	Fluid density at initial fracture (lbs/gal): <u>8.34</u>	
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.88</u>	
Total acid used in treatment (bbl): <u>0</u>	Number of staged intervals: <u>1</u>	
Recycled water used in treatment (bbl): <u>0</u>	Flowback volume recovered (bbl): <u>2248</u>	
Fresh water used in treatment (bbl): <u>3062</u>	Disposition method for flowback: <u>DISPOSAL</u>	
Total proppant used (lbs): <u>186600</u>	Rule 805 green completion techniques were utilized: <input checked="" type="checkbox"/>	
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: <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, number of sacks cmt _____
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** 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: 01/11/2013

Perforations Top: 6971 Bottom: 7265 No. Holes: 85 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: 01/12/2013 Hours: 24 Bbl oil: 3 Mcf Gas: 67 Bbl H2O: 0

Calculated 24 hour rate: Bbl oil: 3 Mcf Gas: 67 Bbl H2O: 0 GOR: 19632

Test Method: Test Separator Casing PSI: 750 Tubing PSI: 950 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1361 API Gravity Oil: 47

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7234 Tbg setting date: 10/30/2012 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: 12/20/2012 End Date: 12/20/2012 Date of First Production this formation: 01/11/2013
Perforations Top: 6971 Bottom: 7155 No. Holes: 46 Hole size: 7/20

Provide a brief summary of the formation treatment:

Open Hole: ☐

Niobrara frac Treatment Totals: Total 200,240 lbs 40/70 Ottawa, 4,000 lbs 20/40 SLC Pumped 0.5 ppa to 2.0 ppa in 4411 bbls of fluid. Total fluid pumped 6027.7 bbls.

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

Total fluid used in treatment (bbl): 6027

Max pressure during treatment (psi): 5121

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): 0.91

Total acid used in treatment (bbl): 0

Number of staged intervals: 1

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 2248

Fresh water used in treatment (bbl): 6027

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 204240

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: Callie Fiddes

Title: Regulatory Tech Date: 9/26/2013 Email: regulatorypermitting@gwogco.com

Attachment Check List

Att Doc Num Name

400486454 FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

User Group Comment

Comment Date

Permit Missing narative for details of treatment. Form returned to draft.

10/30/2013
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Total: 1 comment(s)