

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:

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Date Received:

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

4. Contact Name: Shannon Hartnett

2. Name of Operator: GREAT WESTERN OPERATING COMPANY LLC

Phone: (303) 830-9893

3. Address: 1700 BROADWAY SUITE 650

Fax: (866) 522-1673

City: DENVER State: CO Zip: 80290

5. API Number 05-123-32772-00

6. County: WELD

7. Well Name: BINDER

Well Number: 24-20

8. Location: QtrQtr: NESW Section: 20 Township: 4N 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>02/26/2012</u>		End Date: <u>02/26/2012</u>		Date of First Production this formation: <u>04/18/2012</u>	
Perforations	Top: <u>7573</u>	Bottom: <u>7589</u>	No. Holes: <u>36</u>	Hole size: <u>7/20</u>	

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

Codell Frac Treatment  
 Codell Treatment Totals: Cln Fluid: 4087.6 bbls, Sand Laden Fluid: 2604.5 bbls, Proppant: 115,040 lbs 30/50, ATP: 4604 psi, ATR: 60.6 bpm, MTP: 5606 psi, MTR: 60.8 bpm.

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Total fluid used in treatment (bbl): <u>4088</u>	Max pressure during treatment (psi): <u>5606</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>0.84</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>1254</u>	
Fresh water used in treatment (bbl): <u>4088</u>	Disposition method for flowback: <u>DISPOSAL</u>	
Total proppant used (lbs): <u>115040</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: 04/18/2012	
Perforations	Top: 7061	Bottom: 7589	No. Holes: 55	Hole size: 7/20	
Provide a brief summary of the formation treatment:			Open Hole: <input type="checkbox"/>		
This formation is commingled with another formation:			<input checked="" type="checkbox"/> Yes <input 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: _____					
<b>Fracture stimulations must be reported on FracFocus.org</b>					
<b><u>Test Information:</u></b>					
Date: 04/19/2012	Hours: 24	Bbl oil: 57	Mcf Gas: 206	Bbl H2O: 58	
Calculated 24 hour rate:	Bbl oil: 57	Mcf Gas: 206	Bbl H2O: 6	GOR: 1	
Test Method: Test Separator	Casing PSI: 1900	Tubing PSI: 1800	Choke Size: 12/64		
Gas Disposition: SOLD	Gas Type: WET	Btu Gas: 1302	API Gravity Oil: 51		
Tubing Size: _____	Tubing Setting Depth: _____	Tbg setting date: _____	Packer Depth: _____		
Reason for Non-Production: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>					
Date formation Abandoned: _____	Squeeze: <input type="checkbox"/> Yes <input type="checkbox"/> 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: 03/04/2012 End Date: 03/04/2012 Date of First Production this formation: 04/18/2012  
Perforations Top: 7061 Bottom: 7230 No. Holes: 19 Hole size: 7/20  
Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☐

**Niobrara Frac Treatment**

Niobrara Treatment Totals: Cln Fluid: 5820.7 bbls, Sand Laden Fluid: 4174.7 bbls, Proppant: 200,400 lbs 40/50, 4000 20/40 SLC ATP: 4354 psi, ATR: 59.8 bpm, MTP: 6361 psi, MTR: 61.4 bpm.

This formation is commingled with another formation: ☒ Yes ☐ No  
Total fluid used in treatment (bbl): 5946 Max pressure during treatment (psi): 5525  
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): 0.87  
Total acid used in treatment (bbl): 0 Number of staged intervals: 1  
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 1254  
Fresh water used in treatment (bbl): 5946 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 203140 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. Comp. Spec. Date: \_\_\_\_\_ Email: regulatorypermitting@gwogco.com

**Attachment Check List**

**Att Doc Num** **Name**

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