

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:

400349411

Date Received:

11/23/2012

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: 100185  
2. Name of Operator: ENCANA OIL & GAS (USA) INC  
3. Address: 370 17TH ST STE 1700  
City: DENVER State: CO Zip: 80202-  
4. Contact Name: Sheilla Reed-High  
Phone: (720) 876-3678  
Fax: (720) 876-4678

5. API Number 05-123-32387-00  
6. County: WELD  
7. Well Name: PRATT  
Well Number: 2-4-29  
8. Location: QtrQtr: NWNW Section: 29 Township: 1N Range: 68W 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>06/04/2012</u>		End Date: <u>06/21/2012</u>		Date of First Production this formation: <u>07/12/2012</u>	
Perforations	Top: <u>8528</u>	Bottom: <u>8542</u>	No. Holes: <u>42</u>	Hole size: <u>0.42</u>	

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

Set CFP @ 8590'. 06-04-12  
 Frac'd the Codell 8,528' – 8,542' (42 holes) w/ 89,460 gal 22# Vistar Hybrid cross linked gel containing 251,240 # 30/50 sand. 06-04-12

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total fluid used in treatment (bbl): <u>2789</u>	Max pressure during treatment (psi): <u>5160</u>
Total gas used in treatment (mcf): _____	Fluid density at initial fracture (lbs/gal): <u>8.34</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.74</u>
Total acid used in treatment (bbl): _____	Number of staged intervals: <u>1</u>
Recycled water used in treatment (bbl): <u>2789</u>	Flowback volume recovered (bbl): <u>292</u>
Fresh water used in treatment (bbl): _____	Disposition method for flowback: <u>RECYCLE</u>
Total proppant used (lbs): <u>25000</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: J-NIOBRARA-CODELL Status: COMMINGLED Treatment Type: \_\_\_\_\_  
Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 07/12/2012  
Perforations Top: 8297 Bottom: 8969 No. Holes: 130 Hole size: 0.42  
Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☐

Set CBP @ 8180'. 06-14-12  
Drilled out CBP @ 8180', CFP @ 8360', 8590' to commingle the JSND-CDL-NBRR. 06-15-12

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: 07/17/2012 Hours: 24 Bbl oil: 82 Mcf Gas: 261 Bbl H2O: 66  
Calculated 24 hour rate: Bbl oil: 82 Mcf Gas: 261 Bbl H2O: 66 GOR: 3145  
Test Method: FLOWING Casing PSI: 1592 Tubing PSI: 732 Choke Size: 12/64  
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 128 API Gravity Oil: 50  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 8902 Tbg setting date: 06/15/2012 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: <u>J SAND</u>		Status: <u>PRODUCING</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>05/18/2012</u>		End Date: <u>06/21/2012</u>		Date of First Production this formation: <u>07/12/2012</u>	
Perforations	Top: <u>8949</u>	Bottom: <u>8969</u>	No. Holes: <u>40</u>	Hole size: <u>0.42</u>	

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

Frac'd the J-Sand 8949' – 8969', (40 holes)w/ 56,602 gal 18 # Vistar Hybrid cross linked gel containing 250,180 # 20/40 Sand. 05-18-12

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

Total fluid used in treatment (bbl): <u>3496</u>	Max pressure during treatment (psi): <u>5519</u>
Total gas used in treatment (mcf): _____	Fluid density at initial fracture (lbs/gal): <u>8.34</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.59</u>
Total acid used in treatment (bbl): _____	Number of staged intervals: <u>1</u>
Recycled water used in treatment (bbl): <u>3496</u>	Flowback volume recovered (bbl): <u>292</u>
Fresh water used in treatment (bbl): _____	Disposition method for flowback: <u>RECYCLE</u>
Total proppant used (lbs): <u>209041</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: ☐ 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: _____	
Treatment Date: 06/04/2012		End Date: 06/21/2012		Date of First Production this formation: 07/12/2012	
Perforations	Top: 8297	Bottom: 8542	No. Holes: 90	Hole size: 0.42	

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: <input 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: ☐ 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: 06/05/2012 End Date: 06/21/2012 Date of First Production this formation: 07/12/2012

Perforations Top: 8297 Bottom: 8309 No. Holes: 48 Hole size: 0.42

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

Set CFP @ 8360'. 06-05-23  
 Niobrara 8,297' – 8,309' (48 holes), w/ 99,330 gals 18 # pHaser Hybrid cross  
 linked gel containing 250,000 # 30/50 sand. 06-05-12

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

Total fluid used in treatment (bbl): 3331 Max pressure during treatment (psi): 6177

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): 0.76

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

Recycled water used in treatment (bbl): \_\_\_\_\_ Flowback volume recovered (bbl): 292

Fresh water used in treatment (bbl): 3331 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 250000 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: Sheilla Reed-High

Title: Drilling and Compl. Tech. Date: 11/23/2012 Email sheilla.reedhigh@Encana.com

### **Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
400349411	FORM 5A SUBMITTED
400349414	WELLBORE DIAGRAM

Total Attach: 2 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Per operator Flowback Volumes: J Sand: 292 bbls, Codell: 292 bbls, Niobrara: 292 bbls.	10/29/2013 12:01:19 PM
Permit	ON HOLD: needs flowback volumes.	10/1/2013 11:32:16 AM
Permit	On hold for flowback volumes.	2/22/2013 2:28:35 PM

Total: 3 comment(s)