

FORM  
5A

Rev  
02/08

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400263605

Date Received:

03/23/2012

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

5. API Number 05-014-20700-00 6. County: BROOMFIELD  
7. Well Name: CRANDELL Well Number: 4-6-26  
8. Location: QtrQtr: NWSW Section: 26 Township: 1N Range: 68W Meridian: 6  
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: <u>CODELL</u>	Status: <u>COMMINGLED</u>
Treatment Date: <u>12/06/2011</u>	Date of First Production this formation: <u>02/06/2012</u>
Perforations Top: <u>8334</u> Bottom: <u>8354</u>	No. Holes: <u>40</u> Hole size: <u>0.42</u>
Provide a brief summary of the formation treatment:	Open Hole: <input type="checkbox"/>
Set CFP @ 8420'. 12-05-11 Frac'd the Codell 8334' - 8354', (40 holes) w/ 90,762 gal 22 # Vistar Hybrid cross linked gel containing 250,200 # 30/50 sand. 12-06-11	
This formation is commingled with another formation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Test Information:</b>	
Date: _____ Hours: _____	Bbls oil: _____ Mcf Gas: _____ Bbls H2O: _____
Calculated 24 hour rate: _____	Bbls oil: _____ Mcf Gas: _____ Bbls 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 _____	
Bridge Plug Depth: _____ Sacks cement on top: _____	

FORMATION: J-NIOBRARA-CODELLStatus: COMMINGLED

Treatment Date: \_\_\_\_\_

Date of First Production this formation: 02/06/2012Perforations Top: 7903 Bottom: 8806 No. Holes: 236 Hole size: 0.42

Provide a brief summary of the formation treatment:

Open Hole: ☐

Set CBP @ 7850'. 02-01-12

Drilled out CBP @ 7850', CFP @ 8170', CFP @ 8420' to commingle the JSND-NBRR-CDL. 02-02-12

This formation is commingled with another formation: ☐ Yes ☒ No**Test Information:**Date: 02/09/2012 Hours: 24 Bbls oil: 58 Mcf Gas: 215 Bbls H2O: 96Calculated 24 hour rate: Bbls oil: 58 Mcf Gas: 215 Bbls H2O: 96 GOR: 3707Test Method: FLOWING Casing PSI: 1508 Tubing PSI: 310 Choke Size: 14/64Gas Disposition: SOLD Gas Type: DRY BTU Gas: 1350 API Gravity Oil: 50Tubing Size: 2 + 3/8 Tubing Setting Depth: 8775 Tbg setting date: 02/04/2012 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: \_\_\_\_\_

FORMATION: J SANDStatus: PRODUCINGTreatment Date: 12/05/2011Date of First Production this formation: 02/06/2012Perforations Top: 8786 Bottom: 8806 No. Holes: 40 Hole size: 0.42

Provide a brief summary of the formation treatment:

Open Hole: ☐

Frac'd the J-Sand 8786'- 8806', (40 holes) w/ 60,732 gal 18 # Vistar Hybrid cross linked gel containing 235,393# 20/40 Sand. 12-05-11

This formation is commingled with another formation: ☒ Yes ☐ No**Test Information:**

Date: \_\_\_\_\_ Hours: \_\_\_\_\_ Bbls oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbls H2O: \_\_\_\_\_

Calculated 24 hour rate: Bbls oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbls 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: \_\_\_\_\_

FORMATION: NIOBRARA-CODELL Status: PRODUCING

Treatment Date: 12/07/2011 Date of First Production this formation: 02/06/2012  
Perforations Top: 7903 Bottom: 8354 No. Holes: 196 Hole size: 0.42

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

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

**Test Information:**

Date: \_\_\_\_\_ Hours: \_\_\_\_\_ Bbls oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbls H2O: \_\_\_\_\_  
Calculated 24 hour rate: \_\_\_\_\_ Bbls oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbls 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: \_\_\_\_\_

FORMATION: NIOBRARA Status: COMMINGLED

Treatment Date: 12/07/2011 Date of First Production this formation: 02/06/2012  
Perforations Top: 7903 Bottom: 8108 No. Holes: 156 Hole size: 0.42

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

Set CFP @ 8170'. 12-07-11  
Frac'd the Niobrara 7903' – 8108' (156 holes), w/ 108,948 gals 18 # Vistar  
Hybrid cross linked gel containing 250,200# 30/50 sand. 12-07-11

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

**Test Information:**

Date: \_\_\_\_\_ Hours: \_\_\_\_\_ Bbls oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbls H2O: \_\_\_\_\_  
Calculated 24 hour rate: \_\_\_\_\_ Bbls oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbls 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: \_\_\_\_\_

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: 3/23/2012 Email: sheilla.reedhigh@Encana.com  
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### **Attachment Check List**

Att Doc Num	Name
400263605	FORM 5A SUBMITTED
400264572	WELLBORE DIAGRAM

Total Attach: 2 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>

Total: 0 comment(s)