

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:

08/26/2012

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 05-123-34590-00  
6. County: WELD  
7. Well Name: MELBON RANCH  
Well Number: 23-17  
8. Location: QtrQtr: NWSW Section: 17 Township: 2N Range: 65W 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>05/10/2012</u>		End Date: <u>07/14/2012</u>		Date of First Production this formation: <u>06/20/2012</u>	
Perforations	Top: <u>7432</u>	Bottom: <u>7446</u>	No. Holes: <u>42</u>	Hole size: <u>0.42</u>	

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

Set CFP @ 7510'. 05-30-12  
 Frac'd the Codell 7432' – 7446', (42 holes) w/ 90,216 gal 22 # pHaserFrac Hybrid cross linked gel containing 249,980 # 30/50 sand. 05-31-12

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total fluid used in treatment (bbl): <u>2649</u>	Max pressure during treatment (psi): <u>4693</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>0.82</u>
Total acid used in treatment (bbl): _____	Number of staged intervals: <u>1</u>
Recycled water used in treatment (bbl): _____	Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): <u>2649</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>249980</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: 06/20/2012

Perforations Top: 7212 Bottom: 7917 No. Holes: 138 Hole size: 0.42

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

Set CBP @ 7150'. 07-12-12  
 Drilled out CBP @ 7150', CFP @ 7274', 7510' to commingle the JSND-NBRR-CDL. 07-13-12

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: 07/31/2012 Hours: 24 Bbl oil: 24 Mcf Gas: 300 Bbl H2O: 58

Calculated 24 hour rate: Bbl oil: 24 Mcf Gas: 300 Bbl H2O: 58 GOR: 12500

Test Method: FLOWING Casing PSI: 799 Tubing PSI: 347 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1248 API Gravity Oil: 48

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7845 Tbg setting date: 07/13/2012 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>05/10/2012</u>		End Date: <u>07/14/2012</u>		Date of First Production this formation: <u>06/20/2012</u>	
Perforations	Top: <u>7875</u>	Bottom: <u>7917</u>	No. Holes: <u>48</u>	Hole size: <u>0.42</u>	

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

Frac'd the J-Sand 7875'- 7887', 7905'- 7917' (48 holes) w/ 118,776 gal 18 # pHaserFrac Hybrid cross linked gel containing 251,450# 20/40 Sand. 05-30-12

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

Total fluid used in treatment (bbl): <u>3733</u>	Max pressure during treatment (psi): <u>3543</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>0.63</u>
Total acid used in treatment (bbl): _____	Number of staged intervals: <u>1</u>
Recycled water used in treatment (bbl): _____	Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): <u>3733</u>	Disposition method for flowback: <u>RECYCLE</u>
Total proppant used (lbs): <u>251450</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: FRACTURE STIMULATION

Treatment Date: 05/10/2012 End Date: 07/14/2012 Date of First Production this formation: 06/20/2012

Perforations Top: 7212 Bottom: 7446 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: ☐

Reason why green completion not utilized: \_\_\_\_\_

**Fracture stimulations must be reported on [FracFocus.org](http://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: 05/10/2012 End Date: 07/14/2012 Date of First Production this formation: 06/20/2012

Perforations Top: 7212 Bottom: 7224 No. Holes: 48 Hole size: 0.42

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

Set CFP @ 7284'. 05-31-12  
Frac'd the Niobrara 7212' - 7224' (48 holes), w/ 99,876 gals 18 # pHaserFrac Hybrid cross linked gel containing 252,660# 30/50 sand. 05-31-12

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

Total fluid used in treatment (bbl): 3188 Max pressure during treatment (psi): 4617  
 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): 0.86  
 Total acid used in treatment (bbl): Number of staged intervals: 1  
 Recycled water used in treatment (bbl): Flowback volume recovered (bbl):  
 Fresh water used in treatment (bbl): 3188 Disposition method for flowback:  
 Total proppant used (lbs): 252660 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: 8/26/2012 Email: sheilla.reedhigh@Encana.com

### Attachment Check List

Att Doc Num	Name
400320603	FORM 5A SUBMITTED
400320650	WELLBORE DIAGRAM

Total Attach: 2 Files

### General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)