

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:

400349429

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 05-123-32376-00  
6. County: WELD  
7. Well Name: PRATT  
Well Number: 2-0-29  
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>05/19/2012</u> |                  | End Date: <u>06/09/2012</u> |                      | Date of First Production this formation: <u>07/18/2012</u> |  |
| Perforations                      | Top: <u>8032</u> | Bottom: <u>8046</u>         | No. Holes: <u>42</u> | Hole size: <u>0.42</u>                                     |  |

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

Set CFP @ 8096'. 05-17-12  
 Frac'd the Codell 8,032' – 8,046' (42 holes) w/ 90,930gal 22# Vistar  
 Hybrid cross linked gel containing 248,980 # 30/50 sand. 05-19-12

|  |   |
|--|---|
| This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |   |
| Total fluid used in treatment (bbl): <u>2798</u>   | Max pressure during treatment (psi): <u>4279</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>0.72</u>   |
| Total acid used in treatment (bbl): _____  | Number of staged intervals: <u>1</u>  |
| Recycled water used in treatment (bbl): <u>2798</u>  | Flowback volume recovered (bbl): <u>458</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: ☐ Yes ☐ No If yes, number of sacks cmt \_\_\_\_\_

**\*\* 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: 07/08/2012  
Perforations Top: 7606 Bottom: 8496 No. Holes: 130 Hole size: 0.42  
Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☐

Set CBP @ 7500'. 06-08-12  
Drilled up CBP @ 7500', CFP @ 7668', 8096' to commingle the JSND-NBRR-CDL. 06-09-12

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: 07/21/2012 Hours: 24 Bbl oil: 99 Mcf Gas: 275 Bbl H2O: 74  
Calculated 24 hour rate: Bbl oil: 99 Mcf Gas: 275 Bbl H2O: 74 GOR: 2778  
Test Method: FLOWING Casing PSI: \_\_\_\_\_ Tubing PSI: \_\_\_\_\_ Choke Size: 12/64  
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1287 API Gravity Oil: 50  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 8453 Tbg setting date: 06/09/2012 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>05/17/2012</u> |                  | End Date: <u>06/09/2012</u> |                      | Date of First Production this formation: <u>07/18/2012</u> |  |
| Perforations                      | Top: <u>8476</u> | Bottom: <u>8496</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 8476' – 8496', (40 holes)w/ 62,874 gal 18 # Vistar Hybrid cross linked gel containing 250,240 # 20/40 Sand. 05-17-12

|  |   |
|--|---|
| This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |   |
| Total fluid used in treatment (bbl): <u>3609</u>   | Max pressure during treatment (psi): <u>4277</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>0.60</u>   |
| Total acid used in treatment (bbl): _____  | Number of staged intervals: <u>1</u>  |
| Recycled water used in treatment (bbl): <u>3609</u>  | Flowback volume recovered (bbl): <u>458</u>   |
| Fresh water used in treatment (bbl): _____   | Disposition method for flowback: <u>RECYCLE</u>   |
| Total proppant used (lbs): <u>250240</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 _____ |
|---------------------------------|---|-----------------------------------|

\*\* Bridge Plug Depth: \_\_\_\_\_     
 \*\* Sacks cement on top: \_\_\_\_\_     
 \*\* Wireline and Cement Job Summary must be attached.

FORMATION: NIOBRARA-CODELL Status: PRODUCING Treatment Type: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 07/18/2012

Perforations Top: 7606 Bottom: 8046 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**

**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: 05/20/2012 End Date: 06/09/2012 Date of First Production this formation: 07/18/2012  
Perforations Top: 7606 Bottom: 7618 No. Holes: 48 Hole size: 0.42  
Provide a brief summary of the formation treatment: Open Hole: ☐

Set CFP @ 7668'. 05-19-12  
Frac'd the Niobrara with 250,720 # 30/50 sand with 90,762 gals SLF. 05-20-12

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

Total fluid used in treatment (bbl): 3277 Max pressure during treatment (psi): 4279  
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): 0.79  
Total acid used in treatment (bbl): Number of staged intervals: 1  
Recycled water used in treatment (bbl): 3277 Flowback volume recovered (bbl): 458  
Fresh water used in treatment (bbl): 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**

| Att Doc Num | Name              |
|-------------|-------------------|
| 400349429   | FORM 5A SUBMITTED |
| 400349437   | 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> |
|--------------------------|--|----------------------------|
| Permit                   | Divided flowback volume, provided by operator, among 3 zones.<br>This form is ready to pass. | 3/12/2013<br>1:38:30 PM    |
| Permit                   | On hold. WO flowback volumes.  | 3/8/2013<br>10:53:45 AM    |

Total: 2 comment(s)