

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:

400835718

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: 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: Erin Lind

Phone: (720) 876-5827

Fax:

Email: erin.lind@encana.com

5. API Number 05-123-38091-00

7. Well Name: Grant Hurt

8. Location: QtrQtr: SWNE Section: 14 Township: 2N Range: 68W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 1C-14H G268

Completed Interval

FORMATION: <u>CARLILE</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>01/26/2015</u>		End Date: <u>01/30/2015</u>		Date of First Production this formation: <u>04/09/2015</u>	
Perforations	Top: <u>7981</u>	Bottom: <u>13136</u>	No. Holes: <u>162</u>	Hole size: <u>0.38</u>	

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

Stages 9 - 12 and 42 -43 treated with 10,022 bbls of total fluids, 33 bbls of additives, and 593,886 lbs of 40/70 Sand Proppant

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

Total fluid used in treatment (bbl): <u>10022</u>	Max pressure during treatment (psi): <u>8029</u>
Total gas used in treatment (mcf): <u>0</u>	Fluid density at initial fracture (lbs/gal): <u>8.30</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.91</u>
Total acid used in treatment (bbl): <u>0</u>	Number of staged intervals: <u>6</u>
Recycled water used in treatment (bbl): <u>0</u>	Flowback volume recovered (bbl): <u>49</u>
Fresh water used in treatment (bbl): <u>10022</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>593886</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: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 01/25/2015 End Date: 01/30/2015 Date of First Production this formation: 04/09/2015

Perforations Top: 7933 Bottom: 14398 No. Holes: 837 Hole size: 0.38

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

Stages 19 - 23 treated with 51,781 bbls of total fluids, 172 bbls of additives, and 3,068,410 lbs of 40/70 Sand Proppant

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

Total fluid used in treatment (bbl): 51781

Max pressure during treatment (psi): 8052

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.30

Type of gas used in treatment: \_\_\_\_\_

Min frac gradient (psi/ft): 0.87

Total acid used in treatment (bbl): 0

Number of staged intervals: 31

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 255

Fresh water used in treatment (bbl): 51781

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 3068410

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: FORT HAYS Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 01/27/2015 End Date: 01/27/2015 Date of First Production this formation: 04/09/2015

Perforations Top: 11771 Bottom: 11823 No. Holes: 27 Hole size: 0.38

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

Stage 18 treated with 1,670 bbls of total fluids, 6 bbls of additives, and 98,981 lbs of 40/70 Sand Proppant

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

Total fluid used in treatment (bbl): 1670 Max pressure during treatment (psi): 7786

Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.30

Type of gas used in treatment: Min frac gradient (psi/ft): 1.00

Total acid used in treatment (bbl): 0 Number of staged intervals: 1

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 8

Fresh water used in treatment (bbl): 1670 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 98981 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: 01/27/2015 End Date: 01/28/2015 Date of First Production this formation: 04/09/2015

Perforations Top: 11013 Bottom: 11722 No. Holes: 135 Hole size: 0.38

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

Stages 19 - 23 treated with 8,352 bbls of total fluids, 28 bbls of additives, and 494,905 lbs of 40/70 Sand Proppant

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

Total fluid used in treatment (bbl): 8352

Max pressure during treatment (psi): 7865

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.30

Type of gas used in treatment: \_\_\_\_\_

Min frac gradient (psi/ft): 0.85

Total acid used in treatment (bbl): 0

Number of staged intervals: 5

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 41

Fresh water used in treatment (bbl): 8352

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 494905

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-FORT HAYS-CODELL-CARLILE Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 01/25/2015 End Date: 01/30/2015 Date of First Production this formation: 04/09/2015  
Perforations Top: 7933 Bottom: 14398 No. Holes: 1161 Hole size: 0.38

Provide a brief summary of the formation treatment:

Open Hole: ☐

Stages 1 - 43 treated with 71,825 bbls of total fluids, 239 bbls of additives, and 4,256,181 lbs of 40/70 Sand Proppant

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

Total fluid used in treatment (bbl): 71825

Max pressure during treatment (psi): 8052

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.30

Type of gas used in treatment:

Min frac gradient (psi/ft): 0.85

Total acid used in treatment (bbl): 0

Number of staged intervals: 43

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 354

Fresh water used in treatment (bbl): 71825

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 4256181

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

#### Test Information:

Date: 04/18/2015 Hours: 24 Bbl oil: 341 Mcf Gas: 633 Bbl H2O: 0  
Calculated 24 hour rate: Bbl oil: 341 Mcf Gas: 633 Bbl H2O: 0 GOR: 1856  
Test Method: Flows from well Casing PSI: 2453 Tubing PSI: 2049 Choke Size: 0  
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1298 API Gravity Oil: 50  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 7304 Tbg setting date: 04/08/2015 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:

The Niobrara formation was treated from 1/27/15 - 1/28/15. The perforation interval for this formation is 11,013 - 11,722. The Fort Hays formation was treated on 1/17/15. The perforation interval for this formation is 11,771 - 11,823. The Codell formation was treated from 1/25/15 - 1/30/15. The perforation intervals for this formation are 7,933 - 7,935, 8,185 - 10,965, 11,868 - 12,530 and 13,185 - 14,398. The Carlile formation was treated on 1/26/15 and 1/30/15. The perforation intervals for this formation are 7,981 - 8,137 and 12,579-13,136.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: Print Name: Erin Lind

Title: Regulatory Analyst Date: Email: erin.lind@encana.com

### Attachment Check List

Att Doc Num Name

400835727 WELLBORE DIAGRAM

Total Attach: 1 Files

### General Comments

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

Total: 0 comment(s)