

FORM  
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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:

400727742

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: Bonnie Lamond  
Phone: (720) 876-5156  
Fax:  
Email: bonnie.lamond@encana.com

5. API Number 05-123-37587-00  
6. County: WELD  
7. Well Name: Drieth  
Well Number: 1D-6H-A368  
8. Location: QtrQtr: NENE Section: 6 Township: 3N Range: 68W Meridian: 6  
9. Field Name: WATTENBERG Field Code: 90750

## Completed Interval

FORMATION: CARLILE Status: COMMINGLED Treatment Type: FRACTURE STIMULATION  
Treatment Date: 12/21/2014 End Date: 12/22/2014 Date of First Production this formation: 03/25/2015  
Perforations Top: 9757 Bottom: 10612 No. Holes: 216 Hole size: 0.44  
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): 12913 Max pressure during treatment (psi): 7883  
Total gas used in treatment (mcf): 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): Number of staged intervals: 9  
Recycled water used in treatment (bbl): Flowback volume recovered (bbl):  
Fresh water used in treatment (bbl): Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 593019 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: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 12/19/2014 End Date: 12/24/2014 Date of First Production this formation: 03/25/2015

Perforations Top: 7649 Bottom: 11516 No. Holes: 792 Hole size: 0.44

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

Stages 1-10 stimulated the Codell: Top = 10,667' Bottom = 11,516'  
Stages 26-40 stimulated the Codell: Top = 7,649' Bottom = 9,105'

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

Total fluid used in treatment (bbl): 37850

Max pressure during treatment (psi): 8054

Total gas used in treatment (mcf):

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

Type of gas used in treatment:

Min frac gradient (psi/ft): 0.83

Total acid used in treatment (bbl):

Number of staged intervals: 26

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl):

Fresh water used in treatment (bbl):

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 1699142

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: 2 + 3/8 Tubing Setting Depth: 7348 Tbg setting date: 01/18/2015 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.

FORMATION: FORT HAYS		Status: COMMINGLED		Treatment Type: FRACTURE STIMULATION	
Treatment Date: 12/22/2014		End Date: 12/23/2014		Date of First Production this formation: 03/25/2015	
Perforations Top: 9159		Bottom: 9709		No. Holes: 144      Hole size: 0.44	
Provide a brief summary of the formation treatment:				Open Hole: <input checked="" type="checkbox"/>	
Stages 20-21 stimulated the Fort Hays: Top = 9,558' Bottom = 9,709' Stages 24-25 stimulated the Fort Hays: Top = 9,159' Bottom = 9,307'					
This formation is commingled with another formation:				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total fluid used in treatment (bbl): 8081		Max pressure during treatment (psi): 8228			
Total gas used in treatment (mcf):		Fluid density at initial fracture (lbs/gal): 8.30			
Type of gas used in treatment:		Min frac gradient (psi/ft): 0.91			
Total acid used in treatment (bbl):		Number of staged intervals: 4			
Recycled water used in treatment (bbl):		Flowback volume recovered (bbl):			
Fresh water used in treatment (bbl):		Disposition method for flowback: DISPOSAL			
Total proppant used (lbs): 273473		Rule 805 green completion techniques were utilized: <input checked="" type="checkbox"/>			
Reason why green completion not utilized: _____					
<b>Fracture stimulations must be reported on FracFocus.org</b>					
<b><u>Test Information:</u></b>					
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: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>					
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 Status: ☒ COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 12/23/2014 End Date: 12/23/2014 Date of First Production this formation: 03/25/2015

Perforations Top: 9355 Bottom: 9505 No. Holes: 48 Hole size: 0.44

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): 2761 Max pressure during treatment (psi): 7889

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

Type of gas used in treatment: Min frac gradient (psi/ft): 0.80

Total acid used in treatment (bbl): Number of staged intervals: 2

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

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

Total proppant used (lbs): 124446 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: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 03/25/2015

Perforations Top: 7649 Bottom: 11516 No. Holes: 1200 Hole size: 0.44

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): 71778 Max pressure during treatment (psi): 8228

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

Type of gas used in treatment: \_\_\_\_\_ Min frac gradient (psi/ft): 0.83

Total acid used in treatment (bbl): 24 Number of staged intervals: 40

Recycled water used in treatment (bbl): 5192 Flowback volume recovered (bbl): 5192

Fresh water used in treatment (bbl): 66561 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 2690080 Rule 805 green completion techniques were utilized: ☒

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

**Fracture stimulations must be reported on FracFocus.org**

**Test Information:**

Date: 04/01/2015 Hours: 24 Bbl oil: 119 Mcf Gas: 108 Bbl H2O: 150

Calculated 24 hour rate: Bbl oil: 119 Mcf Gas: 108 Bbl H2O: 150 GOR: 907

Test Method: FLOW Casing PSI: 1923 Tubing PSI: 663 Choke Size: \_\_\_\_\_

Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1298 API Gravity Oil: 50

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7349 Tbg setting date: 01/18/2015 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:

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

Signed: \_\_\_\_\_ Print Name: Bonnie Lamond

Title: Regulatory Analyst Date: \_\_\_\_\_ Email: bonnie.lamond@encana.com

**Attachment Check List**

**Att Doc Num Name**

400800788 WELLBORE DIAGRAM

Total Attach: 1 Files

**General Comments**

**User Group Comment Comment Date**

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Total: 0 comment(s)