

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:

400286776

Date Received:

05/19/2012

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 05-014-20711-00
6. County: BROOMFIELD
7. Well Name: BURY CRANDELL
Well Number: 31-23
8. Location: QtrQtr: NENE Section: 23 Township: 1N Range: 68W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type:
Treatment Date: 03/06/2012 End Date: Date of First Production this formation:
Perforations Top: 7964 Bottom: 7984 No. Holes: 40 Hole size: 0.42

Provide a brief summary of the formation treatment:

Open Hole: ☐

Set CFP @ 8034'. 03-02-12
Frac'd the Codell 7,964' - 7,984' (40 holes) w/ 89,670 gal 22# pHaser Hybrid cross
linked gel containing 250,000 # 30/50 sand. 03-06-12

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:

Number of staged intervals:

Total acid used in treatment (bbl):

Max frac gradient (psi/ft):

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:

FORMATION: J-NIOBRARA-CODELL Status: COMMINGLED Treatment Type: _____
Treatment Date: _____ End Date: _____ Date of First Production this formation: _____
Perforations Top: 7574 Bottom: 8439 No. Holes: 218 Hole size: 0.42
Provide a brief summary of the formation treatment: _____ Open Hole: ☐

Set CBP @ 7540'. 03-28-12
Drilled out CBP @ 7540', CfP @ 7778', 8034' to commingle the JSND-NBRR-CDL. 03-29-12

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: _____ Number of staged intervals: _____
Total acid used in treatment (bbl): _____ Max frac gradient (psi/ft): _____
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: 04/01/2012 Hours: 24 Bbl oil: 38 Mcf Gas: 429 Bbl H2O: 89
Calculated 24 hour rate: Bbl oil: 38 Mcf Gas: 429 Bbl H2O: 89 GOR: 11289
Test Method: FLOWING Casing PSI: 1485 Tubing PSI: 666 Choke Size: 18/64
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1140 API Gravity Oil: 49
Tubing Size: 2 + 3/8 Tubing Setting Depth: 8381 Tbg setting date: 03/29/2012 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 SAND		Status: PRODUCING		Treatment Type: _____	
Treatment Date: 03/02/2012		End Date: _____		Date of First Production this formation: _____	
Perforations	Top: 8414	Bottom: 8439	No. Holes: 50	Hole size: 0.42	

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

Frac'd the J-Sand 8414'-8439', (50 holes)w/ 69,426 gal 18 # pHaser Hybrid cross linked gel containing 250,000 # 20/40 Sand. 03-02-12

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: _____	Number of staged intervals: _____
Total acid used in treatment (bbl): _____	Max frac gradient (psi/ft): _____
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: <input 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: _____

FORMATION: NIOBRARA-CODELL Status: PRODUCING Treatment Type: _____

Treatment Date: 03/06/2012 End Date: _____ Date of First Production this formation: _____

Perforations Top: 7574 Bottom: 7984 No. Holes: 168 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: _____ Number of staged intervals: _____

Total acid used in treatment (bbl): _____ Max frac gradient (psi/ft): _____

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: _____

FORMATION: NIOBRARA Status: COMMINGLED Treatment Type: _____
Treatment Date: 03/07/2012 End Date: _____ Date of First Production this formation: _____
Perforations Top: 7574 Bottom: 7740 No. Holes: 128 Hole size: 0.42
Provide a brief summary of the formation treatment: _____ Open Hole: ☐

Set CFP @ 7778'. 03-06-12
Frac'd the Niobrara 7,574' – 7,740' (128 holes), w/ 102,564 gals 18 # pHaser Hybrid cross
linked gel containing 264,700 # 30/50 sand. 03-07-12

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: _____ Number of staged intervals: _____
Total acid used in treatment (bbl): _____ Max frac gradient (psi/ft): _____
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: _____

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: 5/19/2012 Email: sheilla.reedhigh@Encana.com
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Attachment Check List

Att Doc Num	Name
400286776	FORM 5A SUBMITTED
400286777	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)