

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



DE ET OE ES

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Date Received:

08/01/2013

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: Jane Washburn
Phone: (720) 876-5431
Fax: (720) 876-6431

5. API Number 05-123-20838-00
6. County: WELD
7. Well Name: TOWNSEND
Well Number: 34-5
8. Location: QtrQtr: SWSE Section: 5 Township: 2N Range: 67W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 06/20/2013 End Date: 06/20/2013 Date of First Production this formation:

Perforations Top: 7398 Bottom: 7418 No. Holes: 120 Hole size:

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

Set CIBP @ 7530'. Frac the Codell w/500,680 # sand and 174,523 gals (4155 bbls) frac fluid.

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

Total fluid used in treatment (bbl): 4155 Max pressure during treatment (psi): 4492

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): 0.88

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

Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 624

Fresh water used in treatment (bbl): 4155 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 500680 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: J-NIOBRARA-CODELL Status: COMMINGLED Treatment Type: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: _____

Perforations Top: 7180 Bottom: 7877 No. Holes: 318 Hole size: _____

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

Drill out plugs on 6/25/13. Set tubing at 7770' to commingle the J-Niobrara-Codell.

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: 07/10/2013 Hours: 6 Bbl oil: 10 Mcf Gas: 128 Bbl H2O: 15

Calculated 24 hour rate: Bbl oil: 40 Mcf Gas: 512 Bbl H2O: 60 GOR: 12800

Test Method: FLOW Casing PSI: 611 Tubing PSI: 265 Choke Size: 24/64

Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1294 API Gravity Oil: 59

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7770 Tbg setting date: 06/25/2013 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: 06/23/2013 End Date: 06/23/2013 Date of First Production this formation: _____

Perforations Top: 7180 Bottom: 7200 No. Holes: 40 Hole size: _____

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

Set CFP @ 7260'. Frac'd the Niobrara with 275,907 # sand and 122,447 gals (2916 bbls) frac fluid.

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

Total fluid used in treatment (bbl): 2916 Max pressure during treatment (psi): 5671

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): 0.96

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

Recycled water used in treatment (bbl): _____ Flowback volume recovered (bbl): 623

Fresh water used in treatment (bbl): 2916 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 275907 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: Jane Washburn

Title: Operations Technologist Date: 8/1/2013 Email: jane.washburn@encana.com

Attachment Check List

Att Doc Num	Name
400462477	FORM 5A SUBMITTED
400462574	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
Permit	Operator reFrac'd NB & CD. Changed Status from Producing to Commingled.	10/17/2013 4:04:17 PM

Total: 1 comment(s)