

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 05/19/2012 End Date: 06/12/2012 Date of First Production this formation: 07/16/2012
Perforations Top: 8465 Bottom: 8482 No. Holes: 51 Hole size: 0.42

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

Set CFP @ 8532'. 05-17-12
Frac'd the Codell 8,465' – 8,482' (51 holes) w/ 135,408 gal Slickwatercontaining 154,000 # 30/50 sand. 05-19-12

This formation is commingled with another formation: Yes No
Total fluid used in treatment (bbl): 5008 Max pressure during treatment (psi): 4998
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): 0.70
Total acid used in treatment (bbl): _____ Number of staged intervals: 1
Recycled water used in treatment (bbl): 5008 Flowback volume recovered (bbl): 546
Fresh water used in treatment (bbl): _____ Disposition method for flowback: RECYCLE
Total proppant used (lbs): 154000 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: 07/16/2012

Perforations Top: 8102 Bottom: 8929 No. Holes: 119 Hole size: 0.42

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

Set CBP @ 8000'. 06-11-12
Drilled out CBP @ 8000', CFP @ 8386', 8532' to commingle the JSND-NBRR-CDL. 06-12-12

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: 08/17/2012 Hours: 24 Bbl oil: 83 Mcf Gas: 261 Bbl H2O: 66

Calculated 24 hour rate: Bbl oil: 83 Mcf Gas: 261 Bbl H2O: 66 GOR: 3145

Test Method: FLOWING Casing PSI: 1729 Tubing PSI: 891 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1279 API Gravity Oil: 50

Tubing Size: 2 + 3/8 Tubing Setting Depth: 8890 Tbg setting date: 06/12/2012 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: J SAND Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 05/17/2012 End Date: 06/12/2012 Date of First Production this formation: 07/16/2012
Perforations Top: 8909 Bottom: 8929 No. Holes: 40 Hole size: 0.42

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

Frac'd the J-Sand 8909' – 8929', (40 holes)w/ 60,312 gal 18 # Vistar Hybrid cross linked gel containing 250,140 # 20/40 Sand. 05-17-12

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 3722 Max pressure during treatment (psi): 4033

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): 0.58

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

Recycled water used in treatment (bbl): 3722 Flowback volume recovered (bbl): 546

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

Total proppant used (lbs): 250140 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-CODELL Status: PRODUCING Treatment Type: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: 07/16/2012

Perforations Top: 8102 Bottom: 8482 No. Holes: 79 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: 06/12/2012 Date of First Production this formation: 07/16/2012
Perforations Top: 8102 Bottom: 8336 No. Holes: 28 Hole size: 0.42

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

Set CFP @ 8386'. 05-19-12
Frac'd the Niobrara 8,102' - 8,336' (28 holes), w/ 198,954 gals Slickwater with 122,365 # 30/50 sand. 05-20-12

This formation is commingled with another formation: Yes No
Total fluid used in treatment (bbl): 4611 Max pressure during treatment (psi): 6243
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): 0.76
Total acid used in treatment (bbl): Number of staged intervals: 1
Recycled water used in treatment (bbl): 4611 Flowback volume recovered (bbl): 546
Fresh water used in treatment (bbl): Disposition method for flowback: RECYCLE
Total proppant used (lbs): 161000 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
400349416	FORM 5A SUBMITTED
400349424	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
Permit	Divided flowback volume, provided by operator, between zones. This form is ready to pass.	3/12/2013 1:36:13 PM
Permit	On hold. WO flowback volumes.	3/8/2013 10:45:23 AM

Total: 2 comment(s)