

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 09/03/2011 End Date: 09/03/2011 Date of First Production this formation: 01/18/2012

Perforations Top: 7516 Bottom: 7531 No. Holes: 60 Hole size: 0.4

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

PUMPED 236000# OTTAWA SAND DOWNHOLE in 128058gals of SilverStim/GELLED/SLICK/RECYCLED/FRESH WATER

CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): <u>3049</u>	Max pressure during treatment (psi): <u>4086</u>
Total gas used in treatment (mcf): <u>0</u>	Fluid density at initial fracture (lbs/gal): <u>8.34</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.70</u>
Total acid used in treatment (bbl): <u>0</u>	Number of staged intervals: <u>8</u>
Recycled water used in treatment (bbl): <u>262</u>	Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): <u>2787</u>	Disposition method for flowback: <u>RECYCLE</u>
Total proppant used (lbs): <u>236000</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: NIOBRARA-CODELL Status: PRODUCING Treatment Type: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: 11/22/2011

Perforations Top: 7195 Bottom: 7531 No. Holes: 108 Hole size: 0.4

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

CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG

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: 12/02/2011 Hours: 24 Bbl oil: 11 Mcf Gas: 143 Bbl H2O: 0

Calculated 24 hour rate: Bbl oil: 11 Mcf Gas: 143 Bbl H2O: 0 GOR: 13000

Test Method: FLOWING Casing PSI: 500 Tubing PSI: 0 Choke Size: 10/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1213 API Gravity Oil: 62

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: 09/03/2011 End Date: 09/24/2011 Date of First Production this formation: 11/22/2011
Perforations Top: 7195 Bottom: 7328 No. Holes: 48 Hole size: 0.73

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

CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG
PUMPED 250384# OTTAWA SAND DOWNHOLE in 163223gals of 15% HCL/SilverStim/GELLED/SLICK/RECYCLED/FRESH WATER

This formation is commingled with another formation: Yes No
Total fluid used in treatment (bbl): 3886 Max pressure during treatment (psi): 4860
Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.34
Type of gas used in treatment: Min frac gradient (psi/ft): 0.90
Total acid used in treatment (bbl): 24 Number of staged intervals: 9
Recycled water used in treatment (bbl): 249 Flowback volume recovered (bbl):
Fresh water used in treatment (bbl): 3613 Disposition method for flowback: RECYCLE
Total proppant used (lbs): 250384 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:
CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.
Signed: Print Name: JEAN MUSE-REYNOLDS
Title: REGULATORY COMPLIANCE Date: Email: jmuse@nobleenergyinc.com

Attachment Check List

Att Doc Num	Name

Total Attach: 0 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)