

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 04/03/2012 End Date: 04/03/2012 Date of First Production this formation: 07/24/2012
Perforations Top: 7473 Bottom: 7493 No. Holes: 80 Hole size: 0.44

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

PUMPED 251386# OTTAWA SAND DOWNHOLE in 129058gals of SilverStim/GELLED/SLICK/RECYCLED/FRESH WATER
CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG
FLOWBACK VOLUMES REPORTED ON CODELL PANEL

This formation is commingled with another formation: Yes No
Total fluid used in treatment (bbl): 3073 Max pressure during treatment (psi): 3433
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): 0.66
Total acid used in treatment (bbl): _____ Number of staged intervals: 6
Recycled water used in treatment (bbl): 272 Flowback volume recovered (bbl): 262
Fresh water used in treatment (bbl): 2801 Disposition method for flowback: RECYCLE
Total proppant used (lbs): 251386 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-CODELL Status: COMMINGLED Treatment Type: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: 07/24/2012

Perforations Top: 7473 Bottom: 7964 No. Holes: 148 Hole size: 0.44

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

CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG
FLOWBACK VOLUMES REPORTED ON CODELL PANEL

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: 08/12/2012 Hours: 24 Bbl oil: 3 Mcf Gas: 0 Bbl H2O: 0

Calculated 24 hour rate: Bbl oil: 3 Mcf Gas: 0 Bbl H2O: 0 GOR: 0

Test Method: FLOWING Casing PSI: 709 Tubing PSI: 694 Choke Size: 10/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 0 API Gravity Oil: 40

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 SAND Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 04/03/2012 End Date: 04/03/2012 Date of First Production this formation: 07/24/2012

Perforations Top: 7946 Bottom: 7964 No. Holes: 68 Hole size: 0.4

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

PUMPED 284023# PREFERRED ROCK DOWNHOLE in 169279gals of SilverStim/GELLED/RECYCLED/FRESH WATER
CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG
FLOWBACK VOLUMES REPORTED ON CODELL PANEL

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 4030 Max pressure during treatment (psi): 3570

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): 0.75

Total acid used in treatment (bbl): _____ Number of staged intervals: 10

Recycled water used in treatment (bbl): 322 Flowback volume recovered (bbl): _____

Fresh water used in treatment (bbl): 3708 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 284023 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:

NIORARA FORMATION PERMITTED, BUT NOT PERFORATED OR TREATED.

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)