

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 11/15/2012 End Date: 11/15/2012 Date of First Production this formation: 12/23/2012
Perforations Top: 7000 Bottom: 7014 No. Holes: 56 Hole size: 0.43

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

PUMPED 244116# OTTAWA SAND DOWNHOLE in 157542gals of 15% HCL/SilverStim/GELLED/SLICK/RECYCLED/FRESH WATER
CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS
FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 3751 Max pressure during treatment (psi): 4922
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): 0.89
Total acid used in treatment (bbl): 12 Number of staged intervals: 12
Recycled water used in treatment (bbl): 251 Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): 3488 Disposition method for flowback: RECYCLE
Total proppant used (lbs): 244116 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: 12/08/2012

Perforations Top: 6698 Bottom: 7014 No. Holes: 104 Hole size: 0.43

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

CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS
FLOWBACK VOLUMES REPORTED ON NIOBRARA 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: 12/23/2012 Hours: 24 Bbl oil: 124 Mcf Gas: 498 Bbl H2O: 32

Calculated 24 hour rate: Bbl oil: 124 Mcf Gas: 498 Bbl H2O: 32 GOR: 4016

Test Method: FLOWING Casing PSI: 400 Tubing PSI: 0 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1243 API Gravity Oil: 53

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: NIORARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 11/15/2012 End Date: 11/15/2012 Date of First Production this formation: 12/08/2012
Perforations Top: 6698 Bottom: 6838 No. Holes: 48 Hole size: 0.69

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

PUMPED 254410# OTTAWA SAND DOWNHOLE in 173156gals of SilverStim/GELLED/SLICK/RECYCLED/FRESH WATER
CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS
FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 4123 Max pressure during treatment (psi): 4957
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): 0.95
Total acid used in treatment (bbl): 0 Number of staged intervals: 7
Recycled water used in treatment (bbl): 276 Flowback volume recovered (bbl): 304
Fresh water used in treatment (bbl): 3847 Disposition method for flowback: RECYCLE
Total proppant used (lbs): 254410 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: 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)