

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 07/24/2012 End Date: 07/29/2012 Date of First Production this formation: 08/21/2012
Perforations Top: 7460 Bottom: 7476 No. Holes: 64 Hole size: 0.41

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

PUMPED 127164# OTTAWA SAND DOWNHOLE in 137970gals of Clearstar/GELLED/SLICK/RECYCLED WATER
CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS
FLOWBACK VOLUMES REPORTED ON NIOBRARA COMPLETION PANEL

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 3285 Max pressure during treatment (psi): 4930

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): 0.94

Total acid used in treatment (bbl): 0 Number of staged intervals: 10

Recycled water used in treatment (bbl): 138 Flowback volume recovered (bbl): _____

Fresh water used in treatment (bbl): 3147 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 127164 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: 08/21/2012

Perforations Top: 7276 Bottom: 7951 No. Holes: 216 Hole size: 0.4

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 COMPLETION 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: 08/27/2012 Hours: 24 Bbl oil: 162 Mcf Gas: 553 Bbl H2O: 109

Calculated 24 hour rate: Bbl oil: 162 Mcf Gas: 553 Bbl H2O: 109 GOR: 3414

Test Method: FLOWING Casing PSI: 341 Tubing PSI: 0 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1244 API Gravity Oil: 51

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: 07/24/2012 End Date: 07/24/2012 Date of First Production this formation: 08/21/2012
Perforations Top: 7907 Bottom: 7951 No. Holes: 104 Hole size: 0.4

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

PUMPED 278460# OTTAWA SAND and 22277# Super LC DOWNHOLE in 165522gals of Clearstar/GELLED/SLICK/RECYCLED WATER
CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS
FLOWBACK VOLUMES REPORTED ON NIOBRARA COMPLETION PANEL

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 3941 Max pressure during treatment (psi): 3722
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): 0.61
Total acid used in treatment (bbl): _____ Number of staged intervals: 10
Recycled water used in treatment (bbl): 321 Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): 3620 Disposition method for flowback: RECYCLE
Total proppant used (lbs): 300737 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: 08/21/2012

Perforations Top: 7276 Bottom: 7476 No. Holes: 112 Hole size: 0.41

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 COMPLETION 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: _____ 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: 07/24/2012 End Date: 08/09/2012 Date of First Production this formation: 08/21/2012
Perforations Top: 7276 Bottom: 7360 No. Holes: 48 Hole size: 0.73

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

PUMPED 244954# OTTAWA SAND DOWNHOLE in 202712gals of Vistar/GELLED/SLICK/RECYCLED/FRESH WATER
CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS
FLOWBACK VOLUMES REPORTED ON NIOBRARA COMPLETION PANEL

This formation is commingled with another formation: Yes No
Total fluid used in treatment (bbl): 4826 Max pressure during treatment (psi): 4611
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): 0.91
Total acid used in treatment (bbl): 0 Number of staged intervals: 8
Recycled water used in treatment (bbl): 264 Flowback volume recovered (bbl): 949
Fresh water used in treatment (bbl): 4562 Disposition method for flowback: RECYCLE
Total proppant used (lbs): 244954 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 AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS
FLOWBACK VOLUMES REPORTED ON NIOBRARA COMPLETION PANEL

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)