

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 09/13/2012 End Date: 09/13/2012 Date of First Production this formation: 09/25/2012
Perforations Top: 7488 Bottom: 7502 No. Holes: 56 Hole size: 0.4

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

PUMPED 245641# OTTAWA SAND DOWNHOLE in 125526gals of 15% HCL/Vistar/GELLED/SLICK/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): 2989 Max pressure during treatment (psi): 4233

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): 11 Number of staged intervals: 7

Recycled water used in treatment (bbl): 255 Flowback volume recovered (bbl): _____

Fresh water used in treatment (bbl): 2723 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 245641 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: 09/25/2012

Perforations Top: 7262 Bottom: 7502 No. Holes: 128 Hole size: 0.73

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: 09/30/2012 Hours: 24 Bbl oil: 77 Mcf Gas: 262 Bbl H2O: 60

Calculated 24 hour rate: Bbl oil: 77 Mcf Gas: 262 Bbl H2O: 60 GOR: 3403

Test Method: FLOWING Casing PSI: 600 Tubing PSI: 0 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1201 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: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 09/13/2012 End Date: 09/13/2012 Date of First Production this formation: 09/25/2012

Perforations Top: 7262 Bottom: 7454 No. Holes: 72 Hole size: 0.73

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

PUMPED 246801# OTTAWA SAND DOWNHOLE in 165450gals of Vistar/GELLED/SLICK/FRESH WATER

CODELL AND J SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS.

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 3939 Max pressure during treatment (psi): 4776

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: 7

Recycled water used in treatment (bbl): 266 Flowback volume recovered (bbl): _____

Fresh water used in treatment (bbl): 3673 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 246801 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: _____

NO OPEN HOLE LOGS WERE RUN

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

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