

FORMATION: CODELL Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 04/05/2012 End Date: 04/05/2012 Date of First Production this formation: 06/12/2012
Perforations Top: 7346 Bottom: 7366 No. Holes: 80 Hole size: 0.4

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

PUMPED 249511# PREFERRED ROCK IN 127171GALS OF SLICK/SILVERSTIM/GELLED/RECYCLED/FRESH WATER.
J-SAND IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG
NIOBRARA WAS NOT COMPLETED (PERFORATED)

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 3028 Max pressure during treatment (psi): 4537

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): 0.71

Total acid used in treatment (bbl): 0 Number of staged intervals: 6

Recycled water used in treatment (bbl): 271 Flowback volume recovered (bbl): _____

Fresh water used in treatment (bbl): 2757 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 249511 Rule 805 green completion techniques were utilized:

Reason why green completion not utilized: _____

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 06/16/2012 Hours: 24 Bbl oil: 93 Mcf Gas: 162 Bbl H2O: 29

Calculated 24 hour rate: Bbl oil: 93 Mcf Gas: 162 Bbl H2O: 29 GOR: 1742

Test Method: FLOWING Casing PSI: 1000 Tubing PSI: 0 Choke Size: 10/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1228 API Gravity Oil: 50

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: 06/12/2012

Perforations Top: 7346 Bottom: 7827 No. Holes: 144 Hole size: 0.4

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

J-SAND IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG
NIOBRARA WAS NOT COMPLETED (PERFORATED)

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: 06/16/2012 Hours: 24 Bbl oil: 93 Mcf Gas: 162 Bbl H2O: 29

Calculated 24 hour rate: Bbl oil: 93 Mcf Gas: 162 Bbl H2O: 29 GOR: 1742

Test Method: FLOWING Casing PSI: 1000 Tubing PSI: 0 Choke Size: 10/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1228 API Gravity Oil: 50

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: 04/05/2012 End Date: 04/05/2012 Date of First Production this formation: 06/12/2012
Perforations Top: 7811 Bottom: 7827 No. Holes: 64 Hole size: 0.4

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

PUMPED 262887# PREFERRED ROCK & 13729# SB ExCEL IN 163453 GALS OF SLICK/SILVERSTIM/GELLED/RECYCLED/FRESH WATER.
J-SAND IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG NIOBRARA WAS NOT COMPLETED (PERFORATED)

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 3892 Max pressure during treatment (psi): 4434
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): 0.76
Total acid used in treatment (bbl): 0 Number of staged intervals: 10
Recycled water used in treatment (bbl): 299 Flowback volume recovered (bbl):
Fresh water used in treatment (bbl): 3593 Disposition method for flowback: RECYCLE
Total proppant used (lbs): 276616 Rule 805 green completion techniques were utilized:
Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 06/16/2012 Hours: 24 Bbl oil: 93 Mcf Gas: 162 Bbl H2O: 29
Calculated 24 hour rate: Bbl oil: 93 Mcf Gas: 162 Bbl H2O: 29 GOR: 1742
Test Method: FLOWING Casing PSI: 1000 Tubing PSI: 0 Choke Size: 10/64
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1228 API Gravity Oil: 50
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:

J-SAND IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG NIOBRARA WAS A TARGET ON THE APPROVED APD, AND WAS NOT COMPLETED (PERFORATED)

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)