

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 08/21/2006 End Date: 07/12/2012 Date of First Production this formation: 09/14/2006

Perforations Top: 7396 Bottom: 7410 No. Holes: 56 Hole size: 0.42

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

Pumped 240,693 lbs of Ottawa Proppant and 133,251 gallons of 15% HCL, Slick Water, and Vistar.
 The Codell is producing through a composite flow through plug.
 Commingle the Niobrara and Codell.

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 3173 Max pressure during treatment (psi): 4166

Total gas used in treatment (mcf): _____ Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment: _____ Max frac gradient (psi/ft): 0.72

Total acid used in treatment (bbl): _____ Number of staged intervals: 7

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

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

Total proppant used (lbs): 240693 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: NIORARA-CODELL Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 08/21/2006 End Date: 07/12/2012 Date of First Production this formation: 08/06/2012

Perforations Top: 7112 Bottom: 7410 No. Holes: 120 Hole size: _____

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

Niobrara Perfs: 7112-7234
Codell Perfs: 7396-7410

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: _____ Max 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: 08/09/2012 Hours: 24 Bbl oil: 16 Mcf Gas: 100 Bbl H2O: 100

Calculated 24 hour rate: Bbl oil: 16 Mcf Gas: 100 Bbl H2O: 100 GOR: 6250

Test Method: Flowing Casing PSI: 1550 Tubing PSI: 1200 Choke Size: 18/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1223 API Gravity Oil: 52

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7382 Tbg setting date: 08/01/2012 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: 07/12/2012 End Date: 07/12/2012 Date of First Production this formation: 08/06/2012
Perforations Top: 7112 Bottom: 7234 No. Holes: 64 Hole size: 0.72

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

Pumped 256,269 lbs of Ottawa Proppant and 152,363 gallons of Slick Water and Vistar. Commingle the Niobrara and Codell.

This formation is commingled with another formation: Yes No
Total fluid used in treatment (bbl): 3628 Max pressure during treatment (psi): 4653
Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.34
Type of gas used in treatment: Max frac gradient (psi/ft): 0.94
Total acid used in treatment (bbl): Number of staged intervals: 7
Recycled water used in treatment (bbl): Flowback volume recovered (bbl):
Fresh water used in treatment (bbl): Disposition method for flowback: RECYCLE
Total proppant used (lbs): 256269 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: Sarah Finnegan
Title: Regulatory Analyst Date: Email: sfinnegan@nobleenergyinc.com

Attachment Check List

Att Doc Num	Name

Total Attach: 0 Files

General Comments

User Group	Comment	Comment Date

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