

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/24/2012 End Date: 03/24/2012 Date of First Production this formation: 03/26/2012
Perforations Top: 7123 Bottom: 7138 No. Holes: 60 Hole size: 0.42

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

Frac'd the Codell w/ 112794 gals of Vistar and Slick Water with 243,700#'s of Ottawa sand.
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): 2947 Max pressure during treatment (psi): 4467
Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.34
Type of gas used in treatment: _____ Number of staged intervals: 7
Total acid used in treatment (bbl): _____ Max frac gradient (psi/ft): 0.90
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): 242280 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: _____

FORMATION: NIOBRARA-CODELL Status: PRODUCING Treatment Type: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: _____

Perforations Top: 6838 Bottom: 7138 No. Holes: 108 Hole size: 0

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: _____ Number of staged intervals: _____

Total acid used in treatment (bbl): _____ Max frac gradient (psi/ft): _____

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: 03/30/2012 Hours: 24 Bbl oil: 30 Mcf Gas: 285 Bbl H2O: 32

Calculated 24 hour rate: Bbl oil: 30 Mcf Gas: 285 Bbl H2O: 32 GOR: 9500

Test Method: FLOWING Casing PSI: 400 Tubing PSI: 0 Choke Size: 014/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1252 API Gravity Oil: 58

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: _____

FORMATION: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/24/2012 End Date: 03/24/2012 Date of First Production this formation: 03/26/2012
Perforations Top: 6838 Bottom: 6931 No. Holes: 48 Hole size: 0.72

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

Frac'd the Niobrara with 147734 gals of Vistar and Slick Water with 251050#'s of Ottawa sand.

This formation is commingled with another formation: Yes No
Total fluid used in treatment (bbl): 3782 Max pressure during treatment (psi): 4595
Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.34
Type of gas used in treatment: _____ Number of staged intervals: 7
Total acid used in treatment (bbl): _____ Max frac gradient (psi/ft): 0.98
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): 245752 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: _____

Comment: _____

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.
Signed: _____ Print Name: Eileen Roberts
Title: Regulatory Specialist Date: _____ Email: eroberts@nobleenergyinc.com

Attachment Check List

Att Doc Num	Name

Total Attach: 0 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)