

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 05/07/2012 End Date: 05/07/2012 Date of First Production this formation: 05/10/2012
Perforations Top: 8384 Bottom: 8407 No. Holes: 66 Hole size: 0.38

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

PERF CODL 8384-8407 HOLES 66 SIZE .38
CODL down casing w/ 251,580 gal slickwater w/ 150,000# 40/70, 4,000# SB Excel.
Broke @ 4,677 psi @ 3.5 bpm. ATP=4,604 psi; MTP=5,018 psi; ATR=60.3 bpm; ISDP=2,862 psi

This formation is commingled with another formation: Yes No
Total fluid used in treatment (bbl): 5990 Max pressure during treatment (psi): 5018
Total gas used in treatment (mcf): _____ Fluid density at initial fracture (lbs/gal): 8.30
Type of gas used in treatment: _____ Min frac gradient (psi/ft): _____
Total acid used in treatment (bbl): _____ Number of staged intervals: 1
Recycled water used in treatment (bbl): _____ Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): 5990 Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 154000 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: FRACTURE STIMULATION

Treatment Date: 05/07/2012 End Date: 05/07/2012 Date of First Production this formation: 05/10/2012
Perforations Top: 7966 Bottom: 8407 No. Holes: 128 Hole size: 0.42

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

PERF NBRR 7966-8248 HOLES 62 SIZE .42
PERF CODL 8384-8407 HOLES 66 SIZE .38

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: 05/09/2012 Hours: 24 Bbl oil: 2 Mcf Gas: 50 Bbl H2O: 0

Calculated 24 hour rate: Bbl oil: 2 Mcf Gas: 50 Bbl H2O: 0 GOR: 25000

Test Method: FLOWING Casing PSI: 1405 Tubing PSI: _____ Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1270 API Gravity Oil: 46

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: 05/07/2012 End Date: 05/07/2012 Date of First Production this formation: 05/10/2012
Perforations Top: 7966 Bottom: 8248 No. Holes: 62 Hole size: 0.42

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

PERF NBRR 7966-8248 HOLES 62 SIZE .42
Frac NBRR down casing w/ 252 gal 15% HCl & 259,056 gal slickwater w/ 200,490# 40/70, 4,600# SB Excel.
Broke @ 3,151 psi @ 3.7 bpm. ATP=4,340 psi; MTP=4,752 psi; ATR=59.3 bpm; ISDP=2,782 psi.

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 6168 Max pressure during treatment (psi): 4752

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.30

Type of gas used in treatment: Min frac gradient (psi/ft):

Total acid used in treatment (bbl): Number of staged intervals: 1

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

Fresh water used in treatment (bbl): 6168 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 205090 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: JOEL MALEFYT

Title: REGULATORY ANALYST Date: 6/11/2012 Email: JOEL.MALEFYT@ANADARKO.COM

Attachment Check List

Att Doc Num	Name
400294400	FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

User Group	Comment	Comment Date

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