

FORMATION: NIOBRARA-CODELL Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 04/24/2012 End Date: 04/24/2012 Date of First Production this formation: 08/17/2012

Perforations Top: 7882 Bottom: 8124 No. Holes: 120 Hole size: 0.42

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: 08/22/2012 Hours: 24 Bbl oil: 15 Mcf Gas: 70 Bbl H2O: 0

Calculated 24 hour rate: Bbl oil: 15 Mcf Gas: 70 Bbl H2O: 0 GOR: 4667

Test Method: FLOWING Casing PSI: 158 Tubing PSI: _____ Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1315 API Gravity Oil: 49

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: 04/24/2012 End Date: 04/24/2012 Date of First Production this formation: 08/17/2012
Perforations Top: 7882 Bottom: 7998 No. Holes: 66 Hole size: 0.42

Provide a brief summary of the formation treatment:

Open Hole: ☐

Frac NBRR down 4.5" casing w/ 250 gal 15% HCl & 253,136 gal slickwater w/ 200,580# 40/70, 4,000# 20/40.
Broke @ 2,687 psi @ 0.4 bpm. ATP=4,338 psi; MTP=5,041 psi; ATR=60.3 bpm; ISDP=3,012 psi

This formation is commingled with another formation: ☒ Yes ☐ No

Total fluid used in treatment (bbl): 6027

Max pressure during treatment (psi): 5041

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): 6

Number of staged intervals: 1

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl):

Fresh water used in treatment (bbl):

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 204580

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: 9/11/2012 Email: JOEL.MALEFYT@ANADARKO.COM

Attachment Check List

Att Doc Num	Name
400325517	FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

User Group	Comment	Comment Date
Permit	Entered test data rerun by operator.	11/8/2012 10:01:20 AM
Permit	Requested actual test data.	11/7/2012 10:03:04 AM

Total: 2 comment(s)