



FORMATION: J-NIOBRARA-CODELL Status: COMMINGLED

Treatment Date: 02/14/2011 Date of First Production this formation: 03/01/2011

Perforations Top: 7546 Bottom: 8254 No. Holes: 166 Hole size: 0.38

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

NB Perf 7546-7658 Holes 58 Size 0.38  
 CD Perf 7786-7804 Holes 54 Size 0.42  
 J S Perf 8230-8254 Holes 54 Size 0.38

This formation is commingled with another formation:  Yes  No

**Test Information:**

Date: 03/19/2011 Hours: 24 Bbls oil: 82 Mcf Gas: 266 Bbls H2O: 0

Calculated 24 hour rate: \_\_\_\_\_ Bbls oil: 82 Mcf Gas: 266 Bbls H2O: 0 GOR: 3244

Test Method: FLOWING Casing PSI: 1532 Tubing PSI: \_\_\_\_\_ Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET BTU Gas: 1135 API Gravity Oil: 42

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: J SAND Status: PRODUCING

Treatment Date: 02/14/2011 Date of First Production this formation: 03/01/2011

Perforations Top: 8230 Bottom: 8254 No. Holes: 54 Hole size: 0.38

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

Frac J-Sand down 4-1/2" Csg w/ 143,467 gal Slickwater w/ 116,300# 40/70, 4,000# SB Excel

This formation is commingled with another formation:  Yes  No

**Test Information:**

Date: \_\_\_\_\_ Hours: \_\_\_\_\_ Bbls oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbls H2O: \_\_\_\_\_

Calculated 24 hour rate: \_\_\_\_\_ Bbls oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbls 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 Date: 02/21/2011 Date of First Production this formation: 03/01/2011

Perforations Top: 7546 Bottom: 7804 No. Holes: 112 Hole size: 0.38

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

NB Perf 7546-7658 Holes 58 Size 0.38 CD Perf 7786-7804 Holes 54 Size 0.42  
Frac Niobrara B & C down 4-1/2" Csg w/ 250 gal 15% HCl & 236,155 gal Slickwater w/ 202,420# 40/70, 4,000# SB Excel  
Frac Codell down 4-1/2" Csg w/ 218,560 gal Slickwater w/ 150,840# 40/70, 4,000# SB Excel

This formation is commingled with another formation:  Yes  No

**Test Information:**

Date: \_\_\_\_\_ Hours: \_\_\_\_\_ Bbls oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbls H2O: \_\_\_\_\_

Calculated 24 hour rate: \_\_\_\_\_ Bbls oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbls 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: Cindy Vue

Title: Regulatory Analyst II Date: \_\_\_\_\_ Email Cindy.Vue@anadarko.com

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