



FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 09/12/2013 End Date: 09/12/2013 Date of First Production this formation: 11/25/2008  
Perforations Top: 7720 Bottom: 7736 No. Holes: 48 Hole size: 0.38

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

CODELL REFRAC  
4850 BBL SLICKWATER, 4850 BBL TOTAL FLUID.  
150440# 40/70 SAND, 4000# 20/40 SAND, 154440# TOTAL SAND.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 4850 Max pressure during treatment (psi): 4946  
Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.30  
Type of gas used in treatment: \_\_\_\_\_ Min frac gradient (psi/ft): 0.83  
Total acid used in treatment (bbl): 0 Number of staged intervals: 1  
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 120  
Fresh water used in treatment (bbl): 0 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 154440 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: \_\_\_\_\_  
 Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 11/25/2008  
 Perforations Top: 7490 Bottom: 7736 No. Holes: 102 Hole size: 0.38  
 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: 10/12/2013 Hours: 24 Bbl oil: 13 Mcf Gas: 94 Bbl H2O: 0  
 Calculated 24 hour rate: Bbl oil: 13 Mcf Gas: 94 Bbl H2O: 0 GOR: 7230  
 Test Method: FLOWING Casing PSI: 911 Tubing PSI: 97 Choke Size: 26/64  
 Gas Disposition: SOLD Gas Type: WET Btu Gas: 1378 API Gravity Oil: 43  
 Tubing Size: 2 + 3/8 Tubing Setting Depth: 7692 Tbg setting date: 09/23/2013 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: \_\_\_\_\_ Email: RSCDJPOSTDRILL@ANADARKO.COM

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