



### Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE  
Treatment Date: 02/28/2012 End Date: 03/05/2012 Date of First Production this formation: 04/27/2012  
Perforations Top: 7592 Bottom: 15566 No. Holes: 1224 Hole size: 32/100  
Provide a brief summary of the formation treatment: Open Hole:

Pumped 35 stage frac job via plug and perf. Average rate was 49 bpm. Max rate was 54 bpm. Average pressure was 4127 psi. Max Pressure was 7899 psi.

Total: Water - 115,976 bbls; 40/70 sand - 703,657 lbs; 20/40 sand - 5,275,117 lbs; 20/40 resin - 1,041,022 lbs.

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: 05/07/2012 Hours: 24 Bbl oil: 294 Mcf Gas: 99 Bbl H2O: 559  
Calculated 24 hour rate: Bbl oil: 294 Mcf Gas: 99 Bbl H2O: 559 GOR: 337  
Test Method: Production Casing PSI: 55 Tubing PSI: 30 Choke Size: 64/64  
Gas Disposition: FLARED Gas Type: WET Btu Gas: 0 API Gravity Oil: 36  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 7016 Tbg setting date: 03/13/2012 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:

The BTU is 0 because the gas analysis won't be ran until the gas pipeline is connected.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Christi Scritchfield  
Title: Regulatory Compliance Date: \_\_\_\_\_ Email: christiscritchfield@contres.com

### Attachment Check List

Att Doc Num	Name

Total Attach: 0 Files

### General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)