



FORMATION: NIOBRARA-CODELL Status: COMMINGLED Treatment Type: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 03/04/2012

Perforations Top: 6648 Bottom: 6994 No. Holes: 360 Hole size: 0.32

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: \_\_\_\_\_ Max 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: \_\_\_\_\_ Hours: 24 Bbl oil: 52 Mcf Gas: 77 Bbl H2O: 26

Calculated 24 hour rate: Bbl oil: 52 Mcf Gas: 77 Bbl H2O: 26 GOR: 1480

Test Method: Plunger lift Casing PSI: 1200 Tubing PSI: 350 Choke Size: 32/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1240 API Gravity Oil: 46

Tubing Size: 2 + 3/8 Tubing Setting Depth: 6956 Tbg setting date: 03/03/2012 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: \_\_\_\_\_ \*\* Wireline and Cement Job Summary must be attached.

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: \_\_\_\_\_

Treatment Date: 01/02/2012 End Date: \_\_\_\_\_ Date of First Production this formation: 01/03/2012

Perforations Top: 6648 Bottom: 6760 No. Holes: 264 Hole size: 0.32

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

Frac Niobrara w/ 5984 bbls slickwater \$ 200,250#s 40/70 resin coated sand, spearhead 12 bbls 15% hcl acid & 500 bbls kcl water ahead of frac.

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: \_\_\_\_\_ Max 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: 01/08/2012 Hours: 24 Bbl oil: 102 Mcf Gas: 147 Bbl H2O: 70

Calculated 24 hour rate: Bbl oil: 102 Mcf Gas: 147 Bbl H2O: 70 GOR: 1441

Test Method: Flowing Casing PSI: 350 Tubing PSI: \_\_\_\_\_ Choke Size: 14/16

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1240 API Gravity Oil: 47

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: Jeff Reale

Title: Agent Date: 4/23/2012 Email: lam53@msn.com

**Attachment Check List**

Att Doc Num	Name
400264193	FORM 5A SUBMITTED
400275405	WELLBORE DIAGRAM

Total Attach: 2 Files

**General Comments**

User Group	Comment	Comment Date
Permit	Input 24 hour rates based on test data.	7/23/2012 7:12:20 AM

Total: 1 comment(s)