



### Completed Interval

FORMATION: NIOBRARA-CODELL Status: PRODUCING Treatment Type: \_\_\_\_\_  
Treatment Date: 10/31/2011 End Date: \_\_\_\_\_ Date of First Production this formation: 12/09/2011  
Perforations Top: 7074 Bottom: 7408 No. Holes: 120 Hole size: 0  
Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole:

Pumped 502,987 lbs of Ottawa Proppant and 276,029 gallons of Silverstim and Slick Water.

The Codell is producing through a composite flow through plug

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: 12/15/2011 Hours: 24 Bbl oil: 54 Mcf Gas: 183 Bbl H2O: 20

Calculated 24 hour rate: Bbl oil: 54 Mcf Gas: 183 Bbl H2O: 20 GOR: 3389

Test Method: FLOWING Casing PSI: 650 Tubing PSI: \_\_\_\_\_ Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1303 API Gravity Oil: 50

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: Tania McNutt

Title: Regulatory Analyst Date: 5/14/2012 Email: tmcnutt@nobleenergyinc.com

### Attachment Check List

Att Doc Num	Name
400263889	FORM 5A SUBMITTED

Total Attach: 1 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Permit	Off Hold. Tabs for NBRR and CODL submitted on additional 5A.	3/3/2012 6:55:35 AM
Permit	On hold. Requested seperate tabs for NBRR and CODL.	7/31/2012 2:03:28 PM

Total: 2 comment(s)