

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/15/2012 End Date: Date of First Production this formation:

Perforations Top: 2402 Bottom: 2418 No. Holes: 96 Hole size: 42/100

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

"SAFETY MEETING
50,020# 16/30 DANIELS
50,080# 12/20 TEXAS GOLD
60.11 CO2
BREAKDOWN =1129 PSI
ISIP = 815 PSI / 5 MIN = 732 PSI
10 MIN =709 PSI / 15 MIN = 696 PSI 553 BBLs"

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 553 Max pressure during treatment (psi): 1129

Total gas used in treatment (mcf): 1033 Fluid density at initial fracture (lbs/gal):

Type of gas used in treatment: CARBON DIOXIDE Min frac gradient (psi/ft):

Total acid used in treatment (bbl): Number of staged intervals: 1

Recycled water used in treatment (bbl): Flowback volume recovered (bbl):

Fresh water used in treatment (bbl): Disposition method for flowback:

Total proppant used (lbs): 100100 Rule 805 green completion techniques were utilized:

Reason why green completion not utilized: PIPELINE

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: TEMPORARILY SHUT IN

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: WILLIAM F HAYWORTH

Title: PRESIDENT Date: 8/23/2012 Email: BHAYWORTH@BLACKRAVENENERGY.COM

Attachment Check List

Att Doc Num	Name
2233319	FORM 5A SUBMITTED
2233320	OTHER

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)