

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
50,040# 16/30 DANIELS
50,140# 12/20 TEXAS GOLD
60.10 CO2
BREAKDOWN = 1107 PSI
ISIP = 618 PSI / 5 MIN = 604 PSI
10 MIN = 602 PSI / 15 MIN = 600 PSI 550 BBLs"

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 550 Max pressure during treatment (psi): 1107

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): 100180 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: Flow test 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: 8/10/2012 Email: BHAYWORTH@BLACKRAVENENERGY.COM

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------|
| 2233603 | FORM 5A SUBMITTED |
| 2233604 | OTHER |

Total Attach: 2 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|--------------------|-------------------------|
| Permit | Still no form 5. | 5/13/2013 2:43:43 PM |
| Permit | No form 5 on file. | 3/13/2013 9:15:53 AM |

Total: 2 comment(s)