

FORMATION: NIOBRARA-CODELL Status: PRODUCING Treatment Type: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: 05/23/2014

Perforations Top: 7500 Bottom: 7821 No. Holes: 276 Hole size: 40/100

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: _____ Min 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: 05/24/2014 Hours: 24 Bbl oil: 40 Mcf Gas: 4 Bbl H2O: 40

Calculated 24 hour rate: Bbl oil: 40 Mcf Gas: 4 Bbl H2O: 40 GOR: 89

Test Method: FLOWING Casing PSI: 950 Tubing PSI: _____ Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1249 API Gravity Oil: 42

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.

FORMATION: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/17/2014 End Date: 03/17/2014 Date of First Production this formation:

Perforations Top: 7500 Bottom: 7730 No. Holes: 212 Hole size: 40/100

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

Frac NBRR C w/ 161,364 gal fluid and 107,280# 30/50 sand (159,364 gal slick wtr & 2000 gals 15% HCl). ISIP=3957 psi (0.992 F.G.). ATP=5164 psi, ATR=53.7 BPM, MTP=5469 psi, MTR=57.3 BPM.
Frac NBRR B w/ 269,808 gal fluid and 178,940# 30/50 sand (268,808 gal slick wtr & 1000 gals 15% HCl). ISIP=3931 psi (0.988 F.G.). ATP=5215 psi, ATR=51.1 BPM, MTP=5662 psi, MTR=55.8 BPM.
Frac NBRR A w/ 113,568 gal fluid and 62,820# 30/50 sand (113,568 gal slick wtr). ISIP=4135 psi (1.017 F.G.). ATP=5184 psi, ATR=37.8 BPM, MTP=5419 psi, MTR=44.1 BPM.

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 12970 Max pressure during treatment (psi): 5662
Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.34
Type of gas used in treatment: Min frac gradient (psi/ft): 0.99
Total acid used in treatment (bbl): 71 Number of staged intervals: 3
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 2266
Fresh water used in treatment (bbl): 12898 Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 349040 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: 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:
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: Paul Gottlob
Title: Consultant Date: 10/9/2014 Email paul.gottlob@iptenergyservices.com

Attachment Check List

Table with 2 columns: Att Doc Num, Name. Rows: 400705288 FORM 5A SUBMITTED, 400705342 WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

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

Total: 0 comment(s)