

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/30/2012 End Date: 03/30/2012 Date of First Production this formation: 05/02/2012

Perforations Top: 7021 Bottom: 7035 No. Holes: 49 Hole size: 7/20

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

Codell frac Slickwater Treatment
 Codell frac Treatment Totals: Total 116,660 lbs 30/50 Ottawa, Pumped 0.5 ppa to 2.0 ppa in 2674 bbls of fluid. Total fluid pumped 4097 bbls.

This formation is commingled with another formation: Yes No

| | |
|--|---|
| Total fluid used in treatment (bbl): <u>4097</u> | Max pressure during treatment (psi): <u>5927</u> |
| Total gas used in treatment (mcf): <u>0</u> | Fluid density at initial fracture (lbs/gal): <u>8.34</u> |
| Type of gas used in treatment: _____ | Min frac gradient (psi/ft): <u>0.66</u> |
| Total acid used in treatment (bbl): <u>0</u> | Number of staged intervals: <u>1</u> |
| Recycled water used in treatment (bbl): <u>0</u> | Flowback volume recovered (bbl): <u>1221</u> |
| Fresh water used in treatment (bbl): <u>4097</u> | Disposition method for flowback: <u>DISPOSAL</u> |
| Total proppant used (lbs): <u>116660</u> | Rule 805 green completion techniques were utilized: <input checked="" type="checkbox"/> |

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.

FORMATION: NIORARA-CODELL Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: _____ End Date: _____ Date of First Production this formation: 05/02/2012
Perforations Top: 6719 Bottom: 7035 No. Holes: 72 Hole size: 7/20

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: 05/03/2012 Hours: 24 Bbl oil: 3 Mcf Gas: 270 Bbl H2O: 3

Calculated 24 hour rate: Bbl oil: 3 Mcf Gas: 270 Bbl H2O: 0 GOR: 90000

Test Method: Test Separator Casing PSI: 1800 Tubing PSI: 1100 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1259 API Gravity Oil: 52

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: NIORARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/30/2012 End Date: 03/30/2012 Date of First Production this formation: 05/02/2012
Perforations Top: 6719 Bottom: 6910 No. Holes: 23 Hole size: 7/20

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

Niobrara frac Slickwater Treatment
Niobrara frac Treatment Totals: Total 199,640 lbs 40/70 Ottawa, 4,000 lbs 20/40 SLC Pumped 0.5 ppa to 2.0 ppa in 4050 bbls of fluid.
Total fluid pumped 5674 bbls.

This formation is commingled with another formation: Yes No

| | |
|--|---|
| Total fluid used in treatment (bbl): <u>5674</u> | Max pressure during treatment (psi): <u>6514</u> |
| Total gas used in treatment (mcf): <u>0</u> | Fluid density at initial fracture (lbs/gal): <u>8.34</u> |
| Type of gas used in treatment: _____ | Min frac gradient (psi/ft): <u>0.92</u> |
| Total acid used in treatment (bbl): <u>0</u> | Number of staged intervals: <u>1</u> |
| Recycled water used in treatment (bbl): <u>0</u> | Flowback volume recovered (bbl): <u>1221</u> |
| Fresh water used in treatment (bbl): <u>5674</u> | Disposition method for flowback: <u>DISPOSAL</u> |
| Total proppant used (lbs): <u>203815</u> | Rule 805 green completion techniques were utilized: <input checked="" type="checkbox"/> |

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: Shannon Hartnett
Title: Reg. Compl. Spec. Date: _____ Email: regulatorypermitting@gwogco.com

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|-------------|
| | |

Total Attach: 0 Files

General Comments

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

Total: 0 comment(s)