

FORM
5A

Rev
06/12

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



| | | | |
|----|----|----|----|
| DE | ET | OE | ES |
|----|----|----|----|

Document Number:
400414385

Date Received:
05/16/2013

COMPLETED INTERVAL REPORT

The completed interval Report, Form 5A, shall be submitted within thirty (30) days of completing a formation (successful or not), when a formation is temporarily abandoned or permanently abandoned, for a recompletion, reperforation or restimulation, or when a formation is commingled. Fill out a section for each formation. Attach as many pages as required to fully describe the work. List in order of completion.

| | |
|--|--|
| 1. OGCC Operator Number: <u>100322</u> | 4. Contact Name: <u>JEAN MUSE-REYNOLDS</u> |
| 2. Name of Operator: <u>NOBLE ENERGY INC</u> | Phone: <u>(303) 228-4316</u> |
| 3. Address: <u>1625 BROADWAY STE 2200</u> | Fax: <u>(303) 228-4286</u> |
| City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u> | |

| | |
|---|-----------------------------|
| 5. API Number <u>05-123-35566-00</u> | 6. County: <u>WELD</u> |
| 7. Well Name: <u>Rehder</u> | Well Number: <u>X06-32D</u> |
| 8. Location: QtrQtr: <u>SWSW</u> Section: <u>6</u> Township: <u>2N</u> Range: <u>65W</u> Meridian: <u>6</u> | |
| 9. Field Name: <u>WATTENBERG</u> Field Code: <u>90750</u> | |

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 08/03/2012 End Date: 08/03/2012 Date of First Production this formation: 08/20/2012
Perforations Top: 7616 Bottom: 7632 No. Holes: 64 Hole size: 0.4

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

PUMPED 238985# OTTAWA SAND DOWNHOLE in 123243gals of 15% HCL/Vistar 22/GELLED/SLICK/RECYCLED/FRESH WATER
CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS
FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 2934 Max pressure during treatment (psi): 3761

Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment: _____ Min frac gradient (psi/ft): 0.87

Total acid used in treatment (bbl): 12 Number of staged intervals: 7

Recycled water used in treatment (bbl): 245 Flowback volume recovered (bbl): _____

Fresh water used in treatment (bbl): 2677 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 238985 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.

FORMATION: J-NIOBRARA-CODELL Status: COMMINGLED Treatment Type: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: 08/20/2012

Perforations Top: 7388 Bottom: 8098 No. Holes: 184 Hole size: 0.4

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

**CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS
FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL**

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: 08/24/2012 Hours: 24 Bbl oil: 91 Mcf Gas: 314 Bbl H2O: 70

Calculated 24 hour rate: Bbl oil: 91 Mcf Gas: 314 Bbl H2O: 70 GOR: 3451

Test Method: FLOWING Casing PSI: 700 Tubing PSI: 0 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1284 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: J SAND Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 08/03/2012 End Date: 08/03/2012 Date of First Production this formation: 08/20/2012
Perforations Top: 8069 Bottom: 8098 No. Holes: 72 Hole size: 0.4

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

PUMPED 265784# OTTAWA SAND and 18138# Super LC SAND DOWNHOLE in 161979gals of Vistar
22/GELLED/SLICK/RECYCLED/FRESH WATER
CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS
FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 3857 Max pressure during treatment (psi): 2732

Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment: _____ Min frac gradient (psi/ft): 0.61

Total acid used in treatment (bbl): 0 Number of staged intervals: 10

Recycled water used in treatment (bbl): 307 Flowback volume recovered (bbl): _____

Fresh water used in treatment (bbl): 3550 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 283922 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.

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

Treatment Date: _____ End Date: _____ Date of First Production this formation: 08/20/2012

Perforations Top: 7388 Bottom: 7632 No. Holes: 112 Hole size: 0.4

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

**CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS
FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL**

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: _____ 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: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 08/03/2012 End Date: 08/03/2012 Date of First Production this formation: 08/20/2012
Perforations Top: 7388 Bottom: 7504 No. Holes: 48 Hole size: 0.73

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

PUMPED 246745# OTTAWA SAND DOWNHOLE in 165498gals of Vistar/GELLED/SLICK/RECYCLED/FRESH WATER
CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS
FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL

This formation is commingled with another formation: Yes No
Total fluid used in treatment (bbl): 3940 Max pressure during treatment (psi): 4681
Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.34
Type of gas used in treatment: Min frac gradient (psi/ft): 0.88
Total acid used in treatment (bbl): 0 Number of staged intervals: 7
Recycled water used in treatment (bbl): 266 Flowback volume recovered (bbl): 1116
Fresh water used in treatment (bbl): 3674 Disposition method for flowback: RECYCLE
Total proppant used (lbs): 246745 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:
CODELL AND J-SAND ARE PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUGS
FLOWBACK VOLUMES REPORTED ON NIOBRARA PANEL

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.
Signed: _____ Print Name: JEAN MUSE-REYNOLDS
Title: REGULATORY COMPLIANCE Date: 5/16/2013 Email: jmuse@nobleenergyinc.com

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------|
| 400414385 | FORM 5A SUBMITTED |

Total Attach: 1 Files

General Comments

| User Group | Comment | Comment Date |
|------------|---------|--------------|
| | | |

Total: 0 comment(s)