

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



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Document Number:

400318398

Date Received:

08/21/2012

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: 100322
2. Name of Operator: NOBLE ENERGY INC
3. Address: 1625 BROADWAY STE 2200
City: DENVER State: CO Zip: 80202
4. Contact Name: Sarah Finnegan
Phone: (720) 587-2265
Fax: (303) 228-4286

5. API Number 05-123-34165-00
6. County: WELD
7. Well Name: CROISSANT USX WW
Well Number: 11-17D
8. Location: QtrQtr: NENE Section: 11 Township: 1N Range: 66W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 10/18/2011 End Date: 10/21/2011 Date of First Production this formation: 10/25/2011

Perforations Top: 7720 Bottom: 7734 No. Holes: 56 Hole size: 0.44

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

Pumped 248,230 lbs of Preferred Rock Proppant and 117,266 gallons of 15% HCL, Slick Water, and Silverstim.
Commingled the Niobrara and Codell.

This formation is commingled with another formation: ☒ Yes ☐ No

Total fluid used in treatment (bbl): 2792 Max pressure during treatment (psi): 3896

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

Type of gas used in treatment: Max frac gradient (psi/ft): 0.78

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

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

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

Total proppant used (lbs): 248230 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: FRACTURE STIMULATION

Treatment Date: 10/10/2011 End Date: 10/21/2011 Date of First Production this formation: 10/25/2011

Perforations Top: 7519 Bottom: 8214 No. Holes: 176 Hole size: _____

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: _____ Max 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: 10/28/2011 Hours: 24 Bbl oil: 18 Mcf Gas: 31 Bbl H2O: 15

Calculated 24 hour rate: Bbl oil: 18 Mcf Gas: 31 Bbl H2O: 15 GOR: 1722

Test Method: Flowing Casing PSI: 725 Tubing PSI: 0 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1139 API Gravity Oil: 44

Tubing Size: 2 + 3/8 Tubing Setting Depth: 8167 Tbg setting date: 02/25/2012 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: 10/10/2011		End Date: 10/18/2011		Date of First Production this formation: 10/25/2011	
Perforations	Top: 8192	Bottom: 8214	No. Holes: 72	Hole size: 0.4	

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

Pumped 268,763 lbs of Ottawa Proppant, 13,784 lbs of SB Excel Proppant and 146,618 gallons of Slick Water and Silverstim.

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total fluid used in treatment (bbl): 3491	Max pressure during treatment (psi): 3727
Total gas used in treatment (mcf):	Fluid density at initial fracture (lbs/gal): 8.34
Type of gas used in treatment:	Max frac gradient (psi/ft): 0.64
Total acid used in treatment (bbl):	Number of staged intervals: 10
Recycled water used in treatment (bbl):	Flowback volume recovered (bbl):
Fresh water used in treatment (bbl):	Disposition method for flowback: RECYCLE
Total proppant used (lbs): 282547	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: <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, number of sacks cmt _____
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** Bridge Plug Depth: _____
 ** Sacks cement on top: _____
 ** Wireline and Cement Job Summary must be attached.

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

Treatment Date: 10/18/2011 End Date: 10/21/2011 Date of First Production this formation: 10/25/2011

Perforations Top: 7519 Bottom: 7734 No. Holes: 104 Hole size: _____

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: _____ Max 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: 10/21/2011 End Date: 10/21/2011 Date of First Production this formation: 10/25/2011
Perforations Top: 7519 Bottom: 7610 No. Holes: 48 Hole size: 0.69

Provide a brief summary of the formation treatment:

Open Hole: ☒

Pumped 247,497 lbs of Ottawa Proppant and 155,031 gallons of Slick Water and Silverstim.
Commingling the Niobrara and Codell.

This formation is commingled with another formation: ☒ Yes ☐ No

Total fluid used in treatment (bbl): 3691

Max pressure during treatment (psi): 4575

Total gas used in treatment (mcf):

Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment:

Max frac gradient (psi/ft): 0.80

Total acid used in treatment (bbl):

Number of staged intervals: 7

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl):

Fresh water used in treatment (bbl):

Disposition method for flowback: RECYCLE

Total proppant used (lbs): 247497

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: Sarah Finnegan
Title: Regulatory Analyst Date: 8/21/2012 Email: sfinnegan@nobleenergyinc.com

Attachment Check List

Att Doc Num	Name
400318398	FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

User Group **Comment** **Comment Date**

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Total: 0 comment(s)