

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:

400351958

Date Received:

12/27/2012

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	4. Contact Name: JEAN MUSE-REYNOLDS
2. Name of Operator: NOBLE ENERGY INC	Phone: (303) 228-4316
3. Address: 1625 BROADWAY STE 2200	Fax: (303) 228-4286
City: DENVER State: CO Zip: 80202	

5. API Number 05-123-33561-00	6. County: WELD
7. Well Name: HUDSON STATE X	Well Number: 36-01D
8. Location: QtrQtr: SENE Section: 36 Township: 2N Range: 65W Meridian: 6	
9. Field Name: WATTENBERG	Field Code: 90750

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>08/26/2012</u>		End Date: <u>08/26/2012</u>		Date of First Production this formation: <u>08/28/2012</u>	
Perforations	Top: <u>7382</u>	Bottom: <u>7394</u>	No. Holes: <u>48</u>	Hole size: <u>0.4</u>	

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

PUMPED 243664# OTTAWA SAND DOWNHOLE in 128975gals of 15% HCL/Vistar/GELLED/SLICK/RECYCLED/FRESH WATER
 NO OPEN HOLE LOGS WERE RUN
 CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG

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

Total fluid used in treatment (bbl): <u>3071</u>	Max pressure during treatment (psi): <u>4959</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>0.87</u>
Total acid used in treatment (bbl): <u>12</u>	Number of staged intervals: <u>8</u>
Recycled water used in treatment (bbl): <u>252</u>	Flowback volume recovered (bbl): <u>751</u>
Fresh water used in treatment (bbl): <u>2807</u>	Disposition method for flowback: <u>RECYCLE</u>
Total proppant used (lbs): <u>243664</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: NIOBRARA-CODELL Status: PRODUCING Treatment Type: _____
Treatment Date: _____ End Date: _____ Date of First Production this formation: 08/28/2012
Perforations Top: 7152 Bottom: 7394 No. Holes: 96 Hole size: 0.4
Provide a brief summary of the formation treatment: _____ Open Hole: ☐

NO OPEN HOLE LOGS WERE RUN
CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG

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: 09/04/2012 Hours: 24 Bbl oil: 3 Mcf Gas: 19 Bbl H2O: 0
Calculated 24 hour rate: Bbl oil: 3 Mcf Gas: 19 Bbl H2O: 0 GOR: 6333
Test Method: FLOWING Casing PSI: 250 Tubing PSI: _____ Choke Size: 12/64
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1200 API Gravity Oil: 38
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: 08/26/2012 End Date: 08/26/2012 Date of First Production this formation: 08/28/2012
Perforations Top: 7152 Bottom: 7253 No. Holes: 48 Hole size: 0.71
Provide a brief summary of the formation treatment: Open Hole: ☐

PUMPED 245121# OTTAWA SAND DOWNHOLE in 154184gals of Vistar/GELLED/SLICK/RECYCLED/FRESH WATER
NO OPEN HOLE LOGS WERE RUN
CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG

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

Total fluid used in treatment (bbl): 3671 Max pressure during treatment (psi): 5781
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): 0.90
Total acid used in treatment (bbl): 0 Number of staged intervals: 7
Recycled water used in treatment (bbl): 264 Flowback volume recovered (bbl): 373
Fresh water used in treatment (bbl): 3407 Disposition method for flowback: RECYCLE
Total proppant used (lbs): 245121 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:

NO OPEN HOLE LOGS WERE RUN
CODELL IS PRODUCING THROUGH COMPOSITE FLOW-THROUGH PLUG

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: 12/27/2012 Email: jmuse@nobleenergyinc.com

Attachment Check List

Att Doc Num	Name
400351958	FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Niobrara top corrected on form 5. Flowback volumes received and split 1/3 Codell to 2/3 Niobrara prorated based on fluid input.	2/8/2013 7:55:50 AM
Permit	On hold. Niobrara top is incorrect on the form 5. Need flowback volumes in frac data.	2/7/2013 11:18:22 AM

Total: 2 comment(s)