

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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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: Eileen Roberts

Phone: (303) 2284330

Fax: (303) 2284286

5. API Number 05-123-32392-00

7. Well Name: BOULTER

8. Location: QtrQtr: SESW

Section: 14

Township: 4N

Range: 65W

Meridian: 6

9. Field Name: WATTENBERG

Field Code: 90750

6. County: WELD

Well Number: G14-24

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>03/12/2012</u>		End Date: <u>03/12/2012</u>		Date of First Production this formation: <u>03/23/2012</u>	
Perforations	Top: <u>7020</u>	Bottom: <u>7037</u>	No. Holes: <u>68</u>	Hole size: <u>0.4</u>	

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

Frac'd the Codell with 108699 gals of Silverstim and Slick Water 15% HCl with 224,000#'s of Ottawa sand.

The Codell is producing through a composite flow through plug.

Commingle the Niobrara and Codell.

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

Total fluid used in treatment (bbl): <u>2830</u>	Max pressure during treatment (psi): <u>4267</u>
Total gas used in treatment (mcf): <u>0</u>	Fluid density at initial fracture (lbs/gal): _____
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.67</u>
Total acid used in treatment (bbl): _____	Number of staged intervals: <u>7</u>
Recycled water used in treatment (bbl): _____	Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): _____	Disposition method for flowback: <u>RECYCLE</u>
Total proppant used (lbs): <u>267522</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: FRACTURE STIMULATION

Treatment Date: 03/12/2012 End Date: 03/12/2012 Date of First Production this formation: 03/23/2012

Perforations Top: 6710 Bottom: 7037 No. Holes: 116 Hole size: 0

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: 03/30/2012 Hours: 24 Bbl oil: 47 Mcf Gas: 410 Bbl H2O: 8

Calculated 24 hour rate: Bbl oil: 47 Mcf Gas: 410 Bbl H2O: 8 GOR: 8723

Test Method: FLOWING Casing PSI: 700 Tubing PSI: 0 Choke Size: 012/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1237 API Gravity Oil: 57

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7002 Tbg setting date: 04/18/2012 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.

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Niobrara top changed to 6710' on form5 per operator.	10/2/2012 7:36:55 AM
Permit	On hold. Niobrara perms are above the top of the Niobrara.	9/28/2012 8:02:09 AM

Total: 2 comment(s)