

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:

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Date Received:

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 05-123-32666-00

7. Well Name: FOOSE

8. Location: QtrQtr: NESE Section: 18 Township: 6N Range: 64W Meridian: 6

9. Field Name: GREELEY Field Code: 32760

6. County: WELD

Well Number: A18-23

Completed Interval

|                                   |                  |                             |                      |  |  |
|-----------------------------------|------------------|-----------------------------|----------------------|--|--|
| FORMATION: <u>CODELL</u>          |                  | Status: <u>COMMINGLED</u>   |                      | Treatment Type: <u>FRACTURE STIMULATION</u>                |  |
| Treatment Date: <u>03/17/2011</u> |                  | End Date: <u>03/17/2011</u> |                      | Date of First Production this formation: <u>04/04/2011</u> |  |
| Perforations                      | Top: <u>6956</u> | Bottom: <u>6969</u>         | No. Holes: <u>52</u> | Hole size: _____   |  |

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

Frac'd the Codell w/126906 gals of Silverstim and Slick Water 15% HCl with 245520#'s of Ottawa sand.

Commingle the Niobrara and Codell.

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

|  |   |
|--|---|
| Total fluid used in treatment (bbl): <u>3021</u>   | Max pressure during treatment (psi): <u>4032</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>0.90</u>   |
| Total acid used in treatment (bbl): <u>500</u>     | Number of staged intervals: <u>8</u>  |
| Recycled water used in treatment (bbl): <u>260</u> | Flowback volume recovered (bbl): <u>1038</u>  |
| Fresh water used in treatment (bbl): <u>2760</u>   | Disposition method for flowback: <u>RECYCLE</u>   |
| Total proppant used (lbs): <u>245520</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: 04/04/2011

Perforations Top: 6681 Bottom: 6969 No. Holes: 100 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: \_\_\_\_\_ 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: 04/08/2011 Hours: 24 Bbl oil: 11 Mcf Gas: 0 Bbl H2O: 18

Calculated 24 hour rate: Bbl oil: 11 Mcf Gas: 0 Bbl H2O: 18 GOR: 0

Test Method: FLOWING Casing PSI: 1790 Tubing PSI: 717 Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1258 API Gravity Oil: 54

Tubing Size: 2 + 3/8 Tubing Setting Depth: 6872 Tbg setting date: 04/06/2011 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: NIOBARRA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION  
Treatment Date: 03/17/2011 End Date: 03/17/2011 Date of First Production this formation: 04/04/2011  
Perforations Top: 6681 Bottom: 6790 No. Holes: 48 Hole size:

Provide a brief summary of the formation treatment:

Open Hole: ☐

Frac'd Niobrara w/ 167778 gals of Silverstim and Slick Water with 252853#s of Ottawa sand.

Commingle the Niobrara and Codell.

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

Total fluid used in treatment (bbl): 3994

Max pressure during treatment (psi): 4651

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): 0.93

Total acid used in treatment (bbl): 0

Number of staged intervals: 7

Recycled water used in treatment (bbl): 279

Flowback volume recovered (bbl): 1038

Fresh water used in treatment (bbl): 3715

Disposition method for flowback: RECYCLE

Total proppant used (lbs): 252853

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: Eileen Roberts

Title: Regulatory Specialist Date:  Email: eroberts@nobleenergyinc.com

### Attachment Check List

**Att Doc Num** **Name**

Total Attach: 0 Files

### General Comments

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

Total: 0 comment(s)