

FORM  
5ARev  
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:

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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: Kathleen Mills

Phone: (720) 587-2226

Fax: (303) 228-4286

Email: kmills@nobleenergyinc.com

5. API Number 05-123-37275-00

6. County: WELD

7. Well Name: CROW CREEK STATE

Well Number: AC36-78HN

8. Location: QtrQtr: SWSW Section: 36 Township: 7N Range: 63W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

## Completed Interval

FORMATION: NIOBRARA

Status: PRODUCING

Treatment Type: FRACTURE  
STIMULATION

Treatment Date: 11/16/2013

End Date: 11/16/2013

Date of First Production this formation: 12/17/2013

Perforations Top: 7131 Bottom: 10892 No. Holes: 0 Hole size:

Provide a brief summary of the formation treatment:

Open Hole: ☒

FRAC'D W/2484205 GAL PERMSTIM AND SLICK WATER AND 3412369# OTTAWA SAND

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

Total fluid used in treatment (bbl): 59148

Max pressure during treatment (psi): 8636

Total gas used in treatment (mcf):

Fluid density at initial fracture (lbs/gal): 8.43

Type of gas used in treatment:

Min frac gradient (psi/ft): 0.84

Total acid used in treatment (bbl):

Number of staged intervals: 20

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 7128

Fresh water used in treatment (bbl): 55264

Disposition method for flowback: RECYCLE

Total proppant used (lbs): 3412369

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

## Test Information:

Date: 12/21/2013 Hours: 24 Bbl oil: 126 Mcf Gas: 80 Bbl H2O: 427

Calculated 24 hour rate: Bbl oil: 126 Mcf Gas: 80 Bbl H2O: 427 GOR: 635

Test Method: FLOWING Casing PSI: 0 Tubing PSI: 410 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1103 API Gravity Oil: 40

Tubing Size: 2 + 7/8 Tubing Setting Depth: 6910 Tbg setting date: 12/09/2013 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:

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I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_

Print Name: Kathleen Mills

Title: Regulatory Analyst

Date: \_\_\_\_\_

Email kmills@nobleenergyinc.com

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### **Attachment Check List**

**Att Doc Num**

**Name**

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Total Attach: 0 Files

### **General Comments**

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