

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:

400775389

Date Received:

01/20/2015

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: eroberts@nobleenergyinc.com

5. API Number 05-123-38147-00
6. County: WELD
7. Well Name: Mackinaw
Well Number: A19-79HNA
8. Location: QtrQtr: NENE Section: 24 Township: 6N Range: 65W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 09/23/2014 End Date: 09/30/2014 Date of First Production this formation: 10/12/2014

Perforations Top: 7270 Bottom: 10846 No. Holes: 448 Hole size: 0.74

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

FRAC'D W/3908180 GALS SILVERSTIM AND SLICK WATER, 872 GALS 15% HCL AND 3769169# OTTAWA SAND

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

Total fluid used in treatment (bbl): 93071 Max pressure during treatment (psi): 8216

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): 1.04

Total acid used in treatment (bbl): 20 Number of staged intervals: 19

Recycled water used in treatment (bbl): 20255 Flowback volume recovered (bbl): 1451

Fresh water used in treatment (bbl): 72796 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 3769169 Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 11/05/2014 Hours: 24 Bbl oil: 366 Mcf Gas: 428 Bbl H2O: 324

Calculated 24 hour rate: Bbl oil: 366 Mcf Gas: 428 Bbl H2O: 324 GOR: 1169

Test Method: FLOWING Casing PSI: 2110 Tubing PSI: 1590 Choke Size: 14/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1360 API Gravity Oil: 39

Tubing Size: 2 + 3/8 Tubing Setting Depth: 6992 Tbg setting date: 10/14/2014 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: Kathleen Mills

Title: Regulatory Analyst Date: 1/20/2015 Email: eroberts@nobleenergyinc.com
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Attachment Check List

Att Doc Num **Name**

400775389	FORM 5A SUBMITTED
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Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Operator confirmed date of first prod. as 10/12/2014 and confirmed perf interval depths.	9/12/2016 8:38:50 AM
Permit	Verify date of first production. Verify perf interval depths. Contacted operator.	9/9/2016 3:00:15 PM

Total: 2 comment(s)