

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:

400472535

Date Received:

08/26/2013

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 05-123-33852-00  
6. County: WELD  
7. Well Name: RHINO STATE D  
Well Number: 27-27D  
8. Location: QtrQtr: NESW Section: 27 Township: 3N Range: 64W Meridian: 6  
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 10/04/2011 End Date: 10/04/2011 Date of First Production this formation: 10/06/2011

Perforations Top: 7881 Bottom: 7893 No. Holes: 48 Hole size: 0.4

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

FRAC'D W/108990 GAL SILVERSTIM, SLICK WATER, 500 GAL 15% HCL AND 199563# OTTAWA SAND  
4/25/2012 CBP@7820' FOR NIO REFRAC; 6/11/2012 REMOVE CBP AND COMMINGLE

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

Total fluid used in treatment (bbl): 2607 Max pressure during treatment (psi): 4521

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment: Min frac gradient (psi/ft): 0.78

Total acid used in treatment (bbl): 12 Number of staged intervals: 5

Recycled water used in treatment (bbl): 216 Flowback volume recovered (bbl): 158

Fresh water used in treatment (bbl): 2379 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 199563 Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 10/14/2011 Hours: 24 Bbl oil: 44 Mcf Gas: 95 Bbl H2O: 26

Calculated 24 hour rate: Bbl oil: 44 Mcf Gas: 95 Bbl H2O: 26 GOR: 2159

Test Method: FLOWING Casing PSI: 448 Tubing PSI: 0 Choke Size: 10/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1405 API Gravity Oil: 53

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: 06/11/2012	
Perforations	Top: 7651	Bottom: 7893	No. Holes: 96	Hole size: _____	
Provide a brief summary of the formation treatment:			Open Hole: <input type="checkbox"/>		
COMMINGLE NB & CD					
This formation is commingled with another formation:			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: <input type="checkbox"/>		
Reason why green completion not utilized: _____					
<b>Fracture stimulations must be reported on FracFocus.org</b>					
<b><u>Test Information:</u></b>					
Date: 07/01/2012	Hours: 24	Bbl oil: 32	Mcf Gas: 122	Bbl H2O: 0	
Calculated 24 hour rate:	Bbl oil: 32	Mcf Gas: 122	Bbl H2O: 0	GOR: 3813	
Test Method: FLOWING	Casing PSI: 539	Tubing PSI: 0	Choke Size: 18/64		
Gas Disposition: SOLD	Gas Type: WET	Btu Gas: 1405	API Gravity Oil: 49		
Tubing Size: 2 + 3/8	Tubing Setting Depth: 7866	Tbg setting date: 06/11/2012	Packer Depth: _____		
Reason for Non-Production: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>					
Date formation Abandoned: _____	Squeeze: <input type="checkbox"/> Yes <input type="checkbox"/> 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: 05/04/2012 End Date: 05/04/2012 Date of First Production this formation: 05/08/2012  
 Perforations Top: 7651 Bottom: 7765 No. Holes: 48 Hole size: 0.73  
 Provide a brief summary of the formation treatment: Open Hole: ☐

PERF'D NIO B 7651-7663', NIO C 7753-7765'. FRAC'D W/180411 GAL SILVERSTIM AND SLICK WATER AND 272634# OTTAWA SAND

This formation is commingled with another formation: ☒ Yes ☐ No  
 Total fluid used in treatment (bbl): 4296 Max pressure during treatment (psi): 4646  
 Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.34  
 Type of gas used in treatment: Min frac gradient (psi/ft): 0.78  
 Total acid used in treatment (bbl): Number of staged intervals: 5  
 Recycled water used in treatment (bbl): 311 Flowback volume recovered (bbl): 158  
 Fresh water used in treatment (bbl): 3985 Disposition method for flowback: RECYCLE  
 Total proppant used (lbs): 272634 Rule 805 green completion techniques were utilized: ☒  
 Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

#### Test Information:

Date: 05/15/2012 Hours: 13 Bbl oil: 105 Mcf Gas: 34 Bbl H2O: 0  
 Calculated 24 hour rate: Bbl oil: 163 Mcf Gas: 105 Bbl H2O: 0 GOR: 644  
 Test Method: FLOWING Casing PSI: 539 Tubing PSI: 0 Choke Size: 18/64  
 Gas Disposition: SOLD Gas Type: WET Btu Gas: 1405 API Gravity Oil: 49  
 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: Kathleen Mills  
 Title: Regulatory Analyst Date: 8/26/2013 Email: kmills@nobleenergyinc.com

### Attachment Check List

Att Doc Num	Name
400472535	FORM 5A SUBMITTED

Total Attach: 1 Files

### General Comments

User Group	Comment	Comment Date
Permit	Operator supplied corrected GOR. Data has been input into form.	2/18/2015 12:02:51 PM
Permit	Contacted operator to verify Niobrara test GOR.	2/17/2015 3:17:21 PM

Total: 2 comment(s)