

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: Andrea Rawson
Phone: (303) 228-4253
Fax: (303) 228-4286

5. API Number 05-123-27303-00
6. County: WELD
7. Well Name: DUKE J
Well Number: 4-33
8. Location: QtrQtr: NWSW Section: 4 Township: 5N Range: 66W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 04/21/2012 End Date: 04/21/2012 Date of First Production this formation: 03/28/2007

Perforations Top: 7314 Bottom: 7330 No. Holes: 64 Hole size: 0.42

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

Re-Frac'd Codell w/ 144746 gals of Slick Water, Vistar, and 15% HCl with 235030#'s of Ottawa sand.

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

Total fluid used in treatment (bbl): 3446 Max pressure during treatment (psi): 4273

Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal):

Type of gas used in treatment: Max frac gradient (psi/ft): 0.83

Total acid used in treatment (bbl): Number of staged intervals: 7

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

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

Total proppant used (lbs): 235030 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.

FORMATION: NIOBRARA-CODELL		Status: PRODUCING		Treatment Type: _____	
Treatment Date: 04/21/2012		End Date: 04/21/2012		Date of First Production this formation: _____	
Perforations	Top: 7012	Bottom: 7330	No. Holes: 112	Hole size: _____	
Provide a brief summary of the formation treatment:			Open Hole: <input type="checkbox"/>		
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: _____			Max 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: _____					
Fracture stimulations must be reported on FracFocus.org					
<u>Test Information:</u>					
Date: 05/04/2012	Hours: 24	Bbl oil: 21	Mcf Gas: 248	Bbl H2O: 6	
Calculated 24 hour rate:	Bbl oil: 21	Mcf Gas: 248	Bbl H2O: 6	GOR: 11810	
Test Method: Flowing	Casing PSI: 300	Tubing PSI: 0	Choke Size: 15		
Gas Disposition: SOLD	Gas Type: WET	Btu Gas: 1280	API Gravity Oil: 56		
Tubing Size: 2 + 3/8	Tubing Setting Depth: 7295	Tbg setting date: 05/07/2012	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: 04/21/2012 End Date: 04/21/2012 Date of First Production this formation: 04/22/2012
Perforations Top: 7012 Bottom: 7148 No. Holes: 48 Hole size: 0.72

Provide a brief summary of the formation treatment:

Open Hole: ☐

Frac'd Niobrara w/ 170630 gals of Slick Water and Vistar with 249492#'s of Ottawa sand.

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

Total fluid used in treatment (bbl): 4063

Max pressure during treatment (psi): 4873

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal):

Type of gas used in treatment:

Max frac gradient (psi/ft): 0.94

Total acid used in treatment (bbl):

Number of staged intervals: 7

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl):

Fresh water used in treatment (bbl):

Disposition method for flowback: RECYCLE

Total proppant used (lbs): 249492

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: Andrea Rawson
Title: Regulatory Specialist Date: Email: arawson@nobleenergyinc.com

Attachment Check List

Att Doc Num	Name
400313082	WELLBORE DIAGRAM

Total Attach: 1 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)