

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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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: 69175  
2. Name of Operator: PDC ENERGY INC  
3. Address: 1775 SHERMAN STREET - STE 3000  
City: DENVER State: CO Zip: 80203  
4. Contact Name: Jeff Glossa  
Phone: (303) 831-3972  
Fax: (303) 860-5838

5. API Number 05-123-21183-00  
6. County: WELD  
7. Well Name: NHF  
Well Number: 31-21  
8. Location: QtrQtr: NWNE Section: 21 Township: 5N Range: 63W Meridian: 6  
9. Field Name: Field Code:

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/10/2012 End Date: 03/10/2012 Date of First Production this formation:

Perforations Top: 6586 Bottom: 6594 No. Holes: 24 Hole size: 13/32

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

Re-Perf Codell, Frac'd Codell w/ 119 bbl FE-1A pad, 500 bbls 26# pHaser pad, 1887 bbls 26# pHaser fluid system, 219580# 20/40 Preferd Rock, 8000# 20/40 SB Excel.

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

Total fluid used in treatment (bbl): 2520 Max pressure during treatment (psi): 7386

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 26.00

Type of gas used in treatment: Max frac gradient (psi/ft): 0.90

Total acid used in treatment (bbl): 119 Number of staged intervals: 1

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

Fresh water used in treatment (bbl): 2401 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 227580 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: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 03/20/2012

Perforations Top: 6413 Bottom: 6594 No. Holes: 60 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: \_\_\_\_\_ 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: ☐

Reason why green completion not utilized: \_\_\_\_\_

**Fracture stimulations must be reported on FracFocus.org**

**Test Information:**

Date: 05/31/2012 Hours: 24 Bbl oil: 8 Mcf Gas: 21 Bbl H2O: 0

Calculated 24 hour rate: Bbl oil: 8 Mcf Gas: 21 Bbl H2O: 0 GOR: 2735

Test Method: Flowing Casing PSI: 859 Tubing PSI: 583 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1269 API Gravity Oil: 47

Tubing Size: 2 + 3/8 Tubing Setting Depth: 6572 Tbg setting date: 03/13/2012 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: Jeff Glossa

Title: Sr Engineering Tech Date: \_\_\_\_\_ Email: jglossa@petd.com

**Attachment Check List**

Att Doc Num	Name

Total Attach: 0 Files

**General Comments**

User Group	Comment	Comment Date

Total: 0 comment(s)