FORM 5A
Rev 06/12

State of Colorado
Oil and Gas Conservation Commission

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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: Ally Ota
Phone: (303) 860-5800
Fax:
Email: alexandria.ota@pdce.com

5. API Number 05-123-36723-00
6. County: WELD
7. Well Name: Dillard
Well Number: 20R-443
8. Location: QtrQtr: NWNE Section: 20 Township: 7N Range: 64W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type:

Treatment Date: End Date: Date of First Production this formation:

Perforations Top: 8108 Bottom: 11578 No. Holes: Hole size:

Provide a brief summary of the formation treatment: Open Hole: [X]

Completed Depths: 8,108'-9,154', 9,199'-11,364', 11,421'-11,578'

This formation is commingled with another formation: [X] 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: 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: [ ]

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: FORT HAYS Status: COMMINGLED Treatment Type:

Treatment Date: End Date: Date of First Production this formation:

Perforations Top: 9154 Bottom: 11421 No. Holes: Hole size:

Provide a brief summary of the formation treatment: Open Hole: [X]

Completed Depths: 9,154'-9,199', 11,364'-11,421'

This formation is commingled with another formation: [X] 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: 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: [ ]

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-FT HAYS-CODELL Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 12/08/2013 End Date: 12/10/2013 Date of First Production this formation: 12/30/2013

Perforations Top: 7581 Bottom: 11578 No. Holes: Hole size:

Provide a brief summary of the formation treatment: Open Hole: [X]

16 Stage Sliding Sleeve
Total Fluid: 57,807 bbls
Gel Fluid: 45, 027 bbls
Slickwater Fluid: 12,780 bbls
Total Silica Proppant: 3,415,200 lbs
Method for determining flowback: measuring flowback tank volumes

This formation is commingled with another formation: [ ] Yes [X] No

Total fluid used in treatment (bbl): 57807 Max pressure during treatment (psi): 3471

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): 0.90

Total acid used in treatment (bbl): Number of staged intervals: 16

Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 8602

Fresh water used in treatment (bbl): 57807 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 3415200 Rule 805 green completion techniques were utilized: [X]

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 01/30/2014 Hours: 24 Bbl oil: 202 Mcf Gas: 276 Bbl H2O: 126

Calculated 24 hour rate: Bbl oil: 202 Mcf Gas: 276 Bbl H2O: 126 GOR: 1366

Test Method: Flowing Casing PSI: 1775 Tubing PSI: 589 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1422 API Gravity Oil: 43

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7188 Tbg setting date: 12/23/2013 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.

FORMATION: NIOBRARA Status: COMMINGLED Treatment Type:

Treatment Date: End Date: Date of First Production this formation:

Perforations Top: 7581 Bottom: 8108 No. Holes: Hole size:

Provide a brief summary of the formation treatment: Open Hole: [X]

Completed Depths: 7,581'-8,108'

This formation is commingled with another formation: [X] 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: 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: [ ]

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: Ally Ota

Title: Regulatory Tech Date: 2/4/2019 Email: alexandria.ota@pdce.com

Attachment Check List

Att Doc Num	Name
400672469	FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

User Group	Comment	Comment Date
Permit	Ready to pass. Operator addressed previous issues: - all individual Niobrara, Codell, & Ft Hays panels now included	02/13/2019
Permit	Returned to Draft for: - missing individual Niobrara, Codell, & Ft Hays panels	01/02/2019
Permit	Returned to draft for AOC settlement.	09/15/2016

Total: 3 comment(s)