

FORM  
5ARev  
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



DE ET OE ES

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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

4. Contact Name: Cassie Gonzalez

2. Name of Operator: PDC ENERGY INC

Phone: (303) 860-5800

3. Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER

State: CO

Zip: 80203

Email: Cassie.Gonzalez@pdce.com

5. API Number 05-123-36638-00

6. County: WELD

7. Well Name: Leffler

Well Number: 26T-421

8. Location: QtrQtr: SWSE

Section: 26

Township: 7N

Range: 66W

Meridian: 6

9. Field Name: WATTENBERG

Field Code: 90750

## Completed Interval

FORMATION: CARLILE

Status: COMMINGLED

Treatment Type:

Treatment Date:

End Date:

Date of First Production this formation:

Perforations

Top: 11380

Bottom: 11671

No. Holes:

Hole size:

Provide a brief summary of the formation treatment:

Open Hole: ☒

Completed Depths: 11,380'-11,671'

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:

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: CARLILE-CODELL-FORT HAYS Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 04/29/2013 End Date: 04/29/2013 Date of First Production this formation: 05/08/2013

Perforations Top: 7912 Bottom: 11891 No. Holes: \_\_\_\_\_ Hole size: \_\_\_\_\_

Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☒

16 Stage Sliding Sleeve, Swell Packer set at 7,912'  
Total Fluid: 58,454 bbls  
Gel Fluid: 46,719 bbls  
Slickwater Fluid: 11,735 bbls  
Total Proppant: 3,555,860 lbs  
Silica Proppant: 3,555,860 lbs  
Method for determining flowback: measuring flowback tank volumes.

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

Total fluid used in treatment (bbl): 58454

Max pressure during treatment (psi): 3949

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): 0.97

Total acid used in treatment (bbl): \_\_\_\_\_

Number of staged intervals: 16

Recycled water used in treatment (bbl): \_\_\_\_\_

Flowback volume recovered (bbl): 6923

Fresh water used in treatment (bbl): 58454

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 3555860

Rule 805 green completion techniques were utilized: ☒

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

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

**Test Information:**

Date: 06/02/2013 Hours: 24 Bbl oil: 415 Mcf Gas: 391 Bbl H2O: 58

Calculated 24 hour rate: Bbl oil: 415 Mcf Gas: 391 Bbl H2O: 58 GOR: 942

Test Method: Flowing Casing PSI: 1801 Tubing PSI: 756 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1546 API Gravity Oil: 45

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7552 Tbg setting date: 05/07/2013 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: CODELL Status: COMMINGLED Treatment Type: \_\_\_\_\_

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

Perforations Top: 7912 Bottom: 11891 No. Holes: \_\_\_\_\_ Hole size: \_\_\_\_\_

Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☒

Completed Depths: 7,912'-9,438' 9,498'-10,541' 10,836'-11,380' 11,671'-11,891'

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: \_\_\_\_\_ 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.

