

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:

400742044

Date Received:

03/11/2019

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: (303) 831-3988  
Email: Alexandria.Ota@pdce.com

5. API Number 05-123-38304-00  
6. County: WELD  
7. Well Name: Gutttersen  
Well Number: 31Q-401  
8. Location: QtrQtr: SWSE Section: 31 Township: 3N Range: 63W 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: 9441 Bottom: 11132 No. Holes: Hole size:

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

Completed Depths: 9,441'-9,949' 11,015'-11,132

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: CODELL-CARLILE		Status: PRODUCING		Treatment Type: FRACTURE STIMULATION	
Treatment Date: 11/07/2014		End Date: 11/08/2014		Date of First Production this formation: 12/01/2014	
Perforations	Top: 7293	Bottom: 11132	No. Holes:	Hole size:	

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

16 Stage Sliding Sleeve, Swell Packer set at 7,293'  
 Total Fluid: 78,433 bbls  
     Gel Fluid: 64,563 bbls  
     Slickwater Fluid: 13,870 bbls  
 Total Proppant: 4,332,600 lbs  
     Silica Proppant: 4,332,600 lbs  
 Method for determining flowback: measuring flowback tank volumes.

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

Total fluid used in treatment (bbl): 78433	Max pressure during treatment (psi): 3975
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): 1.00
Total acid used in treatment (bbl): _____	Number of staged intervals: 16
Recycled water used in treatment (bbl): _____	Flowback volume recovered (bbl): 7072
Fresh water used in treatment (bbl): 78433	Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 4332600	Rule 805 green completion techniques were utilized: <input checked="" type="checkbox"/>

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

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

**Test Information:**

Date: 12/13/2014	Hours: 24	Bbl oil: 281	Mcf Gas: 319	Bbl H2O: 208
Calculated 24 hour rate:	Bbl oil: 281	Mcf Gas: 319	Bbl H2O: 208	GOR: 1135
Test Method: Flowing	Casing PSI: 1121	Tubing PSI: 810	Choke Size: 16/64	
Gas Disposition: SOLD	Gas Type: WET	Btu Gas: 1456	API Gravity Oil: 44	
Tubing Size: 2 + 3/8	Tubing Setting Depth: 6861	Tbg setting date: 11/29/2014	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: 7293 Bottom: 11015 No. Holes: \_\_\_\_\_ Hole size: \_\_\_\_\_  
Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☒

Completed Depths: 7,293'-9,441' 9,949'-11,015'

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.

Comment:

FracFocus was submitted with incorrect API. Treatment dates on 5A are correct, new FracFocus report has been requested from vendor.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Cassie Gonzalez

Title: Regulatory Technician Date: 3/11/2019 Email: Cassie.Gonzalez@pdce.com

**Attachment Check List**

**Att Doc Num Name**

400742044 FORM 5A SUBMITTED

Total Attach: 1 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Ready to approve. Operator addressed previous issues: - Operator confirms treatment dates are correct; FracFocus is being amended. - added "submit" tab comment "FracFocus was submitted with incorrect API. Treatment dates on 5A are correct, new FracFocus report has been requested from vendor."	04/23/2019
Permit	Read to approve.	03/25/2019
Permit	Returned to draft for AOC settlement.	09/15/2016

Total: 3 comment(s)