

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:

11/04/2016

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 Gale  
Phone: (303) 831-3931  
Fax: (303) 860-5838  
Email: alexandria.gale@pdce.com

5. API Number 05-123-41901-00  
6. County: WELD  
7. Well Name: Becker Ranch  
Well Number: 5J-303  
8. Location: QtrQtr: NWNW Section: 5 Township: 3N Range: 64W Meridian: 6  
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: FORT HAYS Status: COMMINGLED Treatment Type:

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

Perforations Top: 7552 Bottom: 7591 No. Holes: 720 Hole size: 48/100

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

Completed Depths: 7552-7591

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: NIOBRARA-FT HAYS		Status: PRODUCING		Treatment Type: FRACTURE STIMULATION	
Treatment Date: 11/06/2015		End Date: 11/13/2015		Date of First Production this formation: 11/23/2015	
Perforations	Top: 7552	Bottom: 11404	No. Holes: 720	Hole size: 48/100	
Provide a brief summary of the formation treatment:			Open Hole: <input type="checkbox"/>		
20 Stage Plug and Perf, Perf'd from 7552-11357, Open sliding sleeve at 11404' Total Fluid: 85,592 bbls Gel Fluid: 59,824 bbls Slickwater Fluid: 24,773 bbls 15% HCl Acid: 995 bbls Total Proppant: 3,961,370 lbs Silica Proppant: 3,961,370 lbs Method for determining flowback: measuring flowback tank volumes					
This formation is commingled with another formation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Total fluid used in treatment (bbl): 85592		Max pressure during treatment (psi): 5152			
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): 0.99			
Total acid used in treatment (bbl): 995		Number of staged intervals: 20			
Recycled water used in treatment (bbl):		Flowback volume recovered (bbl): 4427			
Fresh water used in treatment (bbl): 84597		Disposition method for flowback: DISPOSAL			
Total proppant used (lbs): 3961370		Rule 805 green completion techniques were utilized: <input checked="" type="checkbox"/>			
Reason why green completion not utilized: _____					
<b>Fracture stimulations must be reported on FracFocus.org</b>					
<b><u>Test Information:</u></b>					
Date: 12/01/2015	Hours: 24	Bbl oil: 158	Mcf Gas: 1042	Bbl H2O: 323	
Calculated 24 hour rate:	Bbl oil: 158	Mcf Gas: 1042	Bbl H2O: 323	GOR: 6594	
Test Method: Flowing	Casing PSI: 2474	Tubing PSI: 1737	Choke Size: 16/64		
Gas Disposition: SOLD	Gas Type: WET	Btu Gas: 1288	API Gravity Oil: 53		
Tubing Size: 2 + 3/8	Tubing Setting Depth: 7075	Tbg setting date: 11/17/2015	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: \_\_\_\_\_  
 Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: \_\_\_\_\_  
 Perforations Top: 7591 Bottom: 11404 No. Holes: 720 Hole size: 48/100  
 Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☐

Completed Depths: 7591-11404

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:

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

Signed: \_\_\_\_\_ Print Name: Ally Gale  
 Title: Regulatory Technician I Date: 11/4/2016 Email: alexandria.gale@pdce.com

### Attachment Check List

Att Doc Num	Name
400950882	FORM 5A SUBMITTED
401129213	WELLBORE DIAGRAM

Total Attach: 2 Files

### General Comments

User Group	Comment	Comment Date
Permit	Ready to pass.	11/09/2016
Permit	Return to draft for AOC settlement.	09/06/2016

Total: 2 comment(s)