

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:

401286598

Date Received:

05/18/2017

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: Kelsi Welch

Phone: (303) 831-3974

Fax:

Email: kelsi.welch@pdce.com

5. API Number 05-123-23661-00

7. Well Name: ANDERSON

8. Location: QtrQtr: SWNE Section: 10 Township: 6N Range: 66W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 32-10

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: _____
Treatment Date: 02/27/2012 End Date: 03/08/2012 Date of First Production this formation: _____
Perforations Top: 7334 Bottom: 7342 No. Holes: 24 Hole size: 41/100
Provide a brief summary of the formation treatment: _____ Open Hole: ☐

The Codell formation was re-perforated from 7334-7342 (3 spf) with a 3 1/8" slick gun. 19 gram, 21.28" penetration, 120 degree phasing.

Total Fluid: 2906 bbls
199 bbls Active pad
595 bbls 22# pHaser pad
196 bbls 1.0 ppg 20/40 slurry with 22# pHaser
523 bbls 2.0 ppg 20/40 slurry with 22#pHaser
929 bbls 3.0 ppg 20/40 slurry with 22# pHaser
282 bbls of 4.0 ppg 20/40 slurry with 22# pHaser
68 bbls 4.0 ppg SB Excel slurry with 22# pHaser
24 bbls 15% HCl
90 bbls claytreated water

Total Proppant: 224720 lbs
216720 lbs 20/40 Ottawa
8000 lbs 20/40 SB Excel

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

Total fluid used in treatment (bbl): 2906 Max pressure during treatment (psi): 4437
Total gas used in treatment (mcf): _____ Fluid density at initial fracture (lbs/gal): 1.00
Type of gas used in treatment: _____ Min frac gradient (psi/ft): _____
Total acid used in treatment (bbl): 24 Number of staged intervals: 1
Recycled water used in treatment (bbl): _____ Flowback volume recovered (bbl): _____
Fresh water used in treatment (bbl): 90 Disposition method for flowback: _____
Total proppant used (lbs): 224720 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: 03/22/2012	
Perforations	Top: 7027	Bottom: 7345	No. Holes: 76	Hole size: _____	

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

The Niobrara and Codell formations were commingled after the recomplete/ refrac job. Please see operations summary attached.

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: <input type="checkbox"/>

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 Status: COMMINGLED Treatment Type: _____
Treatment Date: 03/08/2012 End Date: 03/08/2012 Date of First Production this formation: 03/22/2012
Perforations Top: 7027 Bottom: 7163 No. Holes: 28 Hole size: 42/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

The Niobrara formation was perforated from 7155'-7163' (3 spf) and 7072'- 7029' (2 spf) with a 3 1/8" slick gun and EXT charges. 22.7 gram, 35.1" penetration, 120 degree phasing.

Total Fluid: 877161 bbls
120 bbls FE-1A pad
1551 bbls Slickwater pad
143 bbls 20# pHaser pad
167 bbls 1.0 ppg 20/40 slurry with 20# pHaser
785 bbls 2.0 ppg 20/40 slurry with 20# pHaser
874 bbls 3.0 ppg 20/40 slurry with 20# pHaser
289 bbls 4.0 ppg 20/40 slurry with 20# pHaser
106 bbls 4.0 ppg SB Excel 20/40 slurry with 20# pHaser

Total proppant: 250360 lbs
238360 lbs 20/40 Ottawa
12000 20/40 SB Excel

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

Total fluid used in treatment (bbl): 877161

Max pressure during treatment (psi): 4825

Total gas used in treatment (mcf): _____

Fluid density at initial fracture (lbs/gal): 1.00

Type of gas used in treatment: _____

Min frac gradient (psi/ft): _____

Total acid used in treatment (bbl): _____

Number of staged intervals: 1

Recycled water used in treatment (bbl): _____

Flowback volume recovered (bbl): _____

Fresh water used in treatment (bbl): _____

Disposition method for flowback: _____

Total proppant used (lbs): 250360

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: Kelsi Welch

Title: Production Tech Date: 5/18/2017 Email: kelsi.welch@pdce.com

Attachment Check List

Att Doc Num

Name

401286598	FORM 5A SUBMITTED
401286685	OPERATIONS SUMMARY

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)