

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: <u>69175</u>	4. Contact Name: <u>Kelsi Welch</u>
2. Name of Operator: <u>PDC ENERGY INC</u>	Phone: <u>(303) 831-3974</u>
3. Address: <u>1775 SHERMAN STREET - STE 3000</u>	Fax: _____
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>	Email: <u>kelsi.welch@pdce.com</u>

5. API Number <u>05-123-23661-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>ANDERSON</u>	Well Number: <u>32-10</u>
8. Location: QtrQtr: <u>SWNE</u> Section: <u>10</u> Township: <u>6N</u> Range: <u>66W</u> Meridian: <u>6</u>	
9. Field Name: <u>WATTENBERG</u> Field Code: <u>90750</u>	

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 recompleat/ 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:

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

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)