

Document Number:
400863595

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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 05-123-39869-00 6. County: WELD
 7. Well Name: Churchill Well Number: 28E-423
 8. Location: QtrQtr: NWNW Section: 28 Township: 5N Range: 64W Meridian: 6
 9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: _____
 Treatment Date: _____ End Date: _____ Date of First Production this formation: _____
 Perforations Top: 9295 Bottom: 9323 No. Holes: 1260 Hole size: 42/100
 Provide a brief summary of the formation treatment: _____ Open Hole:

Completed Depths: 9,295'-9,323'

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: FORT HAYS Status: COMMINGLED Treatment Type: _____

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

Perforations Top: 7282 Bottom: 13285 No. Holes: 1260 Hole size: 42/100

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

Completed Depths: 7,282'-9,295' 9,323'-13,285'

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: NIORARA-FT HAYS-CODELL Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 05/11/2015 End Date: 05/23/2015 Date of First Production this formation: 06/21/2015

Perforations Top: 7282 Bottom: 13920 No. Holes: 1260 Hole size: 42/100

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

35 Stage Plug and Perf
 Total Fluid: 133,999 bbls
 Gel Fluid: 110,052 bbls
 Slickwater Fluid: 23,113 bbls
 15% HCl Acid: 834 bbls
 Total Proppant: 6,183,247 lbs
 Silica Proppant: 6,183,247 lbs
 Method for determining flowback: measuring flowback tank volumes.

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 133999 Max pressure during treatment (psi): 5137

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): 834 Number of staged intervals: 35

Recycled water used in treatment (bbl): _____ Flowback volume recovered (bbl): 4428

Fresh water used in treatment (bbl): 133165 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 6183247 Rule 805 green completion techniques were utilized:

Reason why green completion not utilized: _____

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 06/30/2015 Hours: 24 Bbl oil: 443 Mcf Gas: 1438 Bbl H2O: 183

Calculated 24 hour rate: Bbl oil: 443 Mcf Gas: 1438 Bbl H2O: 183 GOR: 3246

Test Method: Flowing Casing PSI: 2386 Tubing PSI: 1942 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1323 API Gravity Oil: 51

Tubing Size: 2 + 3/8 Tubing Setting Depth: 6944 Tbg setting date: 06/20/2015 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: NIORARA Status: COMMINGLED Treatment Type: _____
 Treatment Date: _____ End Date: _____ Date of First Production this formation: _____
 Perforations Top: 13285 Bottom: 13920 No. Holes: 1260 Hole size: 42/100
 Provide a brief summary of the formation treatment: _____ Open Hole:

Completed Depths: 13,285'-13,920'

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: Cassie Gonzalez
 Title: Regulatory Technician Date: 1/13/2020 Email: Cassie.Gonzalez@pdce.com

Attachment Check List

Att Doc Num	Name
400863595	FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

User Group	Comment	Comment Date
Permit	Return to draft for AOC settlement.	09/15/2016

Total: 1 comment(s)