

**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



DE	ET	OE	ES
----	----	----	----

Document Number:
400734442

Date Received:
05/31/2017

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>Ally Gale</u>
2. Name of Operator: <u>PDC ENERGY INC</u>	Phone: <u>(303) 831-3931</u>
3. Address: <u>1775 SHERMAN STREET - STE 3000</u>	Fax: <u>(303) 860-5838</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>	Email: <u>alexandria.gale@pdce.com</u>

5. API Number <u>05-123-37918-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>Harvesters Resources</u>	Well Number: <u>15R-403</u>
8. Location: QtrQtr: <u>NENE</u> Section: <u>15</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-FORT HAYS Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 06/09/2014 End Date: 06/10/2014 Date of First Production this formation: 06/23/2014

Perforations Top: 7770 Bottom: 11711 No. Holes: _____ Hole size: _____

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

16 Stage Sliding Sleeve, Swell packer set at 7770
 Total Fluid: 60,678 bbls
 Gel Fluid: 48,025 bbls
 Slickwater Fluid: 12,653 bbls
 Total Proppant: 3,483,995 lbs
 Silica Proppant: 3,483,995 lbs
 Method for determining flowback: measuring flowback tank volumes

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 60678 Max pressure during treatment (psi): 3118

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): 0.86

Total acid used in treatment (bbl): _____ Number of staged intervals: 16

Recycled water used in treatment (bbl): _____ Flowback volume recovered (bbl): 3610

Fresh water used in treatment (bbl): 60678 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 3483995 Rule 805 green completion techniques were utilized:

Reason why green completion not utilized: _____

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 07/23/2014 Hours: 24 Bbl oil: 286 Mcf Gas: 668 Bbl H2O: 48

Calculated 24 hour rate: Bbl oil: 286 Mcf Gas: 668 Bbl H2O: 48 GOR: 2335

Test Method: Flowing Casing PSI: 1840 Tubing PSI: 1010 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1433 API Gravity Oil: 51

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7318 Tbg setting date: 06/17/2014 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: 7770 Bottom: 11711 No. Holes: _____ Hole size: _____

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

Completed Depths: 7770-9916, 9968-11711

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: 9916 Bottom: 9968 No. Holes: _____ Hole size: _____
 Provide a brief summary of the formation treatment: _____ Open Hole:

Completed Depths: 9916-9968

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 Tech Date: 5/31/2017 Email: alexandria.gale@pdce.com

Attachment Check List

Att Doc Num	Name
400734442	FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

User Group	Comment	Comment Date
Permit	Ready to approve.	06/08/2017
Permit	Returned to draft for AOC settlement.	09/15/2016

Total: 2 comment(s)