

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:

401834198

Date Received:

11/09/2018

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: Jenifer Hakkarinen

Phone: (303) 8605800

Fax:

Email: Jenifer.Hakkarinen@pdce.com

5. API Number 05-123-21182-00

7. Well Name: NHF

8. Location: QtrQtr: NWSE Section: 21 Township: 5N Range: 63W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 33-21

Completed Interval

FORMATION: J SAND Status: TEMPORARILY ABANDONED Treatment Type: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: 03/02/2003

Perforations Top: 6994 Bottom: 7050 No. Holes: 22 Hole size: 0.34

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

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: Plug set down hole for offset Bonanza Northe Platte 41-28 scheduled for 11/28/2018 frac at 6262'. Casing was pressure tested up to 2000' and a 5K wellhead was installed at surface all valves are shut. The two sacks of cement placed on top of the CIBP technically designates this formation as AB, however, the TA distinction was chosen because PDC intends to return this well to production upon the conclusion of the frac.

Date formation Abandoned: 09/28/2018 Squeeze: ☐ Yes ☐ No If yes, number of sacks cmt _____

** Bridge Plug Depth: 6262 ** Sacks cement on top: 2 ** 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: Jenifer Hakkarinen

Title: Reg Tech Date: 11/9/2018 Email: Jenifer.Hakkarinen@pdce.com

Attachment Check List

Att Doc Num	Name
401834198	FORM 5A SUBMITTED
401834212	WIRELINE JOB SUMMARY

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Added date of first production per operator. Permitting review complete.	10/27/2020
Permit	Updated Hole Size per doc# 1158679 in well file. No Date of First Production on record for this formation.	12/05/2019
Permit	Hole Size field missing. Date of First Production should be filled out. Emailed operator.	10/07/2019

Total: 3 comment(s)