

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:

400326188

Date Received:

09/12/2012

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: Jeff Glossa
2. Name of Operator: PDC ENERGY INC Phone: (303) 831-3972
3. Address: 1775 SHERMAN STREET - STE 3000 Fax: (303) 860-5838
City: DENVER State: CO Zip: 80203

5. API Number 05-123-35113-00 6. County: WELD
7. Well Name: Carmichael Well Number: 26M-223
8. Location: QtrQtr: NENE Section: 26 Township: 7N Range: 63W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION
Treatment Date: 06/20/2012 End Date: 06/21/2012 Date of First Production this formation: 07/16/2012
Perforations Top: 7286 Bottom: 11345 No. Holes: 16 Hole size: _____
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): 806649 Max pressure during treatment (psi): 7671
Total gas used in treatment (mcf): _____ Fluid density at initial fracture (lbs/gal): 8.63
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): 3712
Fresh water used in treatment (bbl): 806649 Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 1298780 Rule 805 green completion techniques were utilized: ☒
Reason why green completion not utilized: _____

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 07/31/2012 Hours: 24 Bbl oil: 190 Mcf Gas: 190 Bbl H2O: 120
Calculated 24 hour rate: Bbl oil: 190 Mcf Gas: 190 Bbl H2O: 120 GOR: 1000
Test Method: Flowing Casing PSI: 816 Tubing PSI: 336 Choke Size: 16/64
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1355 API Gravity Oil: 38
Tubing Size: 2 + 3/8 Tubing Setting Depth: 7050 Tbg setting date: 06/27/2012 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: Jeff Glossa

Title: Sr Engineering Tech Date: 9/12/2012 Email jglossa@petd.com
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Attachment Check List

Att Doc Num	Name
400326188	FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Changed fluid density to 8.63 from 24 per operator. Ready to pass.	2/14/2013 7:49:21 AM
Agency	Operator says all the fluids are fresh water. Changed fresh water to 806,649.	11/29/2012 8:57:36 AM
Permit	Form 5 passed. Requested frac summary and clarification of the 400,000+ bbl difference between total water and fresh water.	11/26/2012 3:55:39 PM
Permit	On Hold pending form 5.	10/29/2012 3:56:46 PM

Total: 4 comment(s)