

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:

400326556

Date Received:

09/13/2012

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 05-123-35168-00 6. County: WELD  
7. Well Name: Thornton Well Number: 19X-404  
8. Location: QtrQtr: NESE Section: 19 Township: 7N Range: 66W Meridian: 6  
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 06/11/2012 End Date: 06/12/2012 Date of First Production this formation: 06/15/2012

Perforations Top: 7925 Bottom: 11815 No. Holes:            Hole size:           

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

3,359640 lb 20/40 Ottawa, 194,300 SB Excel 20/40. Pressure response was slightly positive for treatment.

This formation is commingled with another formation: ☐ Yes ☒ No

Total fluid used in treatment (bbl): 58796 Max pressure during treatment (psi): 6285

Total gas used in treatment (mcf):            Fluid density at initial fracture (lbs/gal): 24.00

Type of gas used in treatment:            Min frac gradient (psi/ft): 0.85

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

Recycled water used in treatment (bbl):            Flowback volume recovered (bbl): 11760

Fresh water used in treatment (bbl): 58796 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 3216339 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: 318 Mcf Gas: 403 Bbl H2O: 2312

Calculated 24 hour rate: Bbl oil: 318 Mcf Gas: 403 Bbl H2O: 2312 GOR: 1267

Test Method: Flowing Casing PSI: 1854 Tubing PSI: 755 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1435 API Gravity Oil: 44

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: Jeff Glossa

Title: Sr Engineering Tech Date: 9/13/2012 Email jglossa@petd.com  
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### Attachment Check List

Att Doc Num	Name
400326556	FORM 5A SUBMITTED

Total Attach: 1 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	All fluid is fresh water per operator. Amount of proppant corrected to 3,216,339 lbs. Flowback corrected to 11760 bbl Still WO frac summary. Received frac info.	11/29/2012 9:03:33 AM
Permit	Asked about fluid composition and 32,163,391 lb of proppant	11/28/2012 10:30:55 AM
Permit	Requested brief summary of frac treatment. Also asked about whether 16 holes from 7925' to 11815' is correct. Is completion open hole?	11/8/2012 10:52:40 AM

Total: 3 comment(s)