

FORM  
5ARev  
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:

2320102

Date Received:

04/29/2013

## 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: JENIFER HAKKARINEN  
 2. Name of Operator: PDC ENERGY INC Phone: (303) 860-5800  
 3. Address: 1775 SHERMAN STREET - STE 3000 Fax: (303) 860-5838  
 City: DENVER State: CO Zip: 80203

5. API Number 05-123-35859-00 6. County: WELD  
 7. Well Name: Brown Well Number: 2E-232  
 8. Location: QtrQtr: NWNW Section: 2 Township: 6N Range: 63W Meridian: 6  
 9. Field Name: \_\_\_\_\_ Field Code: \_\_\_\_\_

## Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: \_\_\_\_\_  
 Treatment Date: 12/08/2012 End Date: 12/09/2012 Date of First Production this formation: 01/21/2013  
 Perforations Top: 7217 Bottom: 10966 No. Holes: 16 Hole size: 13/32

Provide a brief summary of the formation treatment:

Open Hole: ☐1920 CRC 20/40, 33855 20/40This formation is commingled with another formation: ☐ Yes ☒ NoTotal fluid used in treatment (bbl): 18678Max pressure during treatment (psi): 5167

Total gas used in treatment (mcf): \_\_\_\_\_

Fluid density at initial fracture (lbs/gal): 8203.00

Type of gas used in treatment: \_\_\_\_\_

Min frac gradient (psi/ft): 16.00

Total acid used in treatment (bbl): \_\_\_\_\_

Number of staged intervals: 0

Recycled water used in treatment (bbl): \_\_\_\_\_

Flowback volume recovered (bbl): 150Fresh water used in treatment (bbl): 18678Disposition method for flowback: DISPOSALTotal proppant used (lbs): 34859Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized: \_\_\_\_\_

Fracture stimulations must be reported on FracFocus.org

## Test Information:

Date: 01/24/2013 Hours: 53 Bbl oil: 48 Mcf Gas: 150 Bbl H2O: 24  
 Calculated 24 hour rate: Bbl oil: 53 Mcf Gas: 48 Bbl H2O: 150 GOR: 9056  
 Test Method: FLOWING Casing PSI: 1327 Tubing PSI: 690 Choke Size: 16/64  
 Gas Disposition: SOLD Gas Type: WET Btu Gas: 1322 API Gravity Oil: 42  
 Tubing Size: 2 + 3/8 Tubing Setting Depth: 6576 Tbg setting date: 12/17/2012 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: JENIFER HAKKARINEN

Title: REG TECH

Date: 4/29/2013

Email JENIFER.HAKKARINEN@PDCE.COM

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### Attachment Check List

Att Doc Num	Name
2320102	FORM 5A SUBMITTED

Total Attach: 1 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Operator changed top perf to 7217'.	5/29/2013 6:19:01 AM
Permit	Top of production is not in Niobrara if the Niobrara top from the form 5 is used. Requested review.	5/21/2013 1:28:02 PM

Total: 2 comment(s)