

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:

400493833

Date Received:

10/16/2013

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

2. Name of Operator: PDC ENERGY INC

3. Address: 1775 SHERMAN STREET - STE 3000

City: DENVER State: CO Zip: 80203

4. Contact Name: Christine Brookshire

Phone: (303) 860-5800

Fax: (303) 860-5838

Email: christine.brookshire@pdce.com

5. API Number 05-123-35801-00

7. Well Name: Magnuson

8. Location: QtrQtr: SWSW Section: 23 Township: 7N Range: 66W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 23L-421

Completed Interval

FORMATION: CODELL Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 03/14/2013 End Date: 03/14/2013 Date of First Production this formation: 04/19/2013

Perforations Top: 8098 Bottom: 11846 No. Holes: Hole size:

Provide a brief summary of the formation treatment:

Open Hole: ☒

16 stage, max treatment pressure 7102, 3552000 20/40 Ottawa, 10580 20/40 SBXL
16 STAGE NIOBRARA B - HES
WEATHERFORD ZONE SELECT SLEEVE SYSTEM
FLUID TO RECOVER = BBLs 58,311
TOTAL 20/40 OTTAWA = LBS 3,360,920
TOTAL 20/40 SBXL = LBS 192,280
IN FORMATION = LBS 3,553,200
ISDP = PSI 4,142
5 MIN = PSI 4,061
FG = 1.0

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

Total fluid used in treatment (bbl): 57673

Max pressure during treatment (psi): 7102

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): 0.96

Total acid used in treatment (bbl):

Number of staged intervals: 16

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 2494

Fresh water used in treatment (bbl): 57673

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 3562580

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 05/20/2013 Hours: 24 Bbl oil: 163 Mcf Gas: 271 Bbl H2O: 1663

Calculated 24 hour rate: Bbl oil: 163 Mcf Gas: 271 Bbl H2O: 69 GOR: 17

Test Method: Flowing Casing PSI: 1443 Tubing PSI: 545 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1277 API Gravity Oil: 44

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7590 Tbg setting date: 04/18/2013 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: Christine Brookshire

Title: Regulatory Tech Date: 10/16/2013 Email: christine.brookshire@pdce.com

Attachment Check List

Att Doc Num Name

400493833 FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Received frac summary and flowback vol. Ready to pass.	4/24/2014 1:54:20 PM
Permit	Uncemented sliding sleeve liner oompletion is open hole. Made that correction and removed data from 'no. holes' and 'hole size' fields. Requested more complete frac summary. Questioned 100% flowback.	4/23/2014 3:04:21 PM
Permit	Corrected GOR. Questioned 32 holes in 3800' of casing.	4/22/2014 2:30:28 PM

Total: 3 comment(s)