

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:

401206197

Date Received:

02/16/2017

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: Kelsi Welch

Phone: (303) 831-3974

Fax:

Email: kelsi.welch@pdce.com

5. API Number 05-123-19047-00

7. Well Name: O'GRADY

8. Location: QtrQtr: SWSE Section: 4 Township: 5N Range: 64W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 34-4

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 12/12/2006 End Date: 12/12/2006 Date of First Production this formation: 12/12/2006
Perforations Top: 6536 Bottom: 6654 No. Holes: 46 Hole size: 42/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

Niobar completion was done 12/12/2006 from 6536'- 6654'. This formation was commingled with the Codell formation upon production. Very little information is available on this job, attached is the daily completion/workover report.

Total proppant used: 253560 lbs
241560 lbs Ottawa 30/50
12000 lbs SB Ecel 12/20

Total Fluid used: 174500 gals
500 gals 15% HCl
1667 bbls Slickwater
145 bbls SilverStim 24#
2148 bbls SilverSlim 24#

Turned on to flowback at a 20/64" choke.

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

Total fluid used in treatment (bbl): _____

Max pressure during treatment (psi): 4957

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: 11

Recycled water used in treatment (bbl): _____

Flowback volume recovered (bbl): 25

Fresh water used in treatment (bbl): _____

Disposition method for flowback: _____

Total proppant used (lbs): 253560

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: _____

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:

The purpose of this is to report the Niobrara completion done in 2006 and commingle the Niobrara formation with the Codell.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Kelsi Welch

Title: Production Tech Date: 2/16/2017 Email: kelsi.welch@pdce.com

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Attachment Check List

Att Doc Num**Name**

401206197	FORM 5A SUBMITTED
401206247	OPERATIONS SUMMARY

Total Attach: 2 Files

General Comments

User Group**Comment****Comment Date**

Permit	Pass. Update form 7 reporting.	02/16/2017
Permit	Returned to draft. If you are going to co-mingle you need another panel for the Codell with status Co-mingle and another panel with Nio-Codell status producing. Otherwise you could just change the status on this one to producing.	02/16/2017

Total: 2 comment(s)