

**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



| | | | |
|----|----|----|----|
| DE | ET | OE | ES |
|----|----|----|----|

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: <u>69175</u> | 4. Contact Name: <u>Kelsi Welch</u> |
| 2. Name of Operator: <u>PDC ENERGY INC</u> | Phone: <u>(303) 831-3974</u> |
| 3. Address: <u>1775 SHERMAN STREET - STE 3000</u> | Fax: _____ |
| City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u> | Email: <u>kelsi.welch@pdce.com</u> |

| | |
|---|--------------------------|
| 5. API Number <u>05-123-19047-00</u> | 6. County: <u>WELD</u> |
| 7. Well Name: <u>O'GRADY</u> | Well Number: <u>34-4</u> |
| 8. Location: QtrQtr: <u>SWSE</u> Section: <u>4</u> Township: <u>5N</u> Range: <u>64W</u> Meridian: <u>6</u> | |
| 9. Field Name: <u>WATTENBERG</u> Field Code: <u>90750</u> | |

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 proppent 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

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|--------------------|
| 401206197 | FORM 5A SUBMITTED |
| 401206247 | OPERATIONS SUMMARY |

Total Attach: 2 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|---|---------------------|
| 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)