

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:

400384488

Date Received:

02/22/2013

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) 8605800

3. Address: 1775 SHERMAN STREET - STE 3000

Fax: (303) 8605838

City: DENVER State: CO Zip: 80203

5. API Number 05-123-21296-00

6. County: WELD

7. Well Name: Baker

Well Number: 42-5

8. Location: QtrQtr: SENE Section: 5 Township: 4N

Range: 63W Meridian: 6

9. Field Name: Field Code:

Completed Interval

| | | | | | |
|-----------------------------------|------------------|-----------------------------|----------------------|--|--|
| FORMATION: <u>CODELL</u> | | Status: <u>COMMINGLED</u> | | Treatment Type: <u>FRACTURE STIMULATION</u> | |
| Treatment Date: <u>11/02/2012</u> | | End Date: <u>11/02/2012</u> | | Date of First Production this formation: <u>11/30/2012</u> | |
| Perforations | Top: <u>6569</u> | Bottom: <u>6577</u> | No. Holes: <u>24</u> | Hole size: <u>13/34</u> | |

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

(217,000 lbs Preferred Rock 20/40) (8,000 lbs SBXL 20/40). RD HES. MTP = 3915 psi, ATP = 3503 psi, AIR = 19.3 bpm. Pressure response was slightly positive for entire treatment.

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

| | |
|--|---|
| Total fluid used in treatment (bbl): <u>2732</u> | Max pressure during treatment (psi): <u>3915</u> |
| Total gas used in treatment (mcf): _____ | Fluid density at initial fracture (lbs/gal): <u>8.53</u> |
| Type of gas used in treatment: _____ | Min frac gradient (psi/ft): <u>0.64</u> |
| Total acid used in treatment (bbl): _____ | Number of staged intervals: <u>1</u> |
| Recycled water used in treatment (bbl): _____ | Flowback volume recovered (bbl): <u>3</u> |
| Fresh water used in treatment (bbl): <u>2732</u> | Disposition method for flowback: <u>DISPOSAL</u> |
| Total proppant used (lbs): <u>225000</u> | Rule 805 green completion techniques were utilized: <input checked="" type="checkbox"/> |

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.

FORMATION: NIOBRARA-CODELL Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: _____ End Date: _____ Date of First Production this formation: 11/30/2012

Perforations Top: 6322 Bottom: 6577 No. Holes: 52 Hole size: _____

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

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

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

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: _____

Recycled water used in treatment (bbl): _____ Flowback volume recovered (bbl): 3

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

Total proppant used (lbs): _____ Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized: _____

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 12/29/2012 Hours: 24 Bbl oil: 34 Mcf Gas: 70 Bbl H2O: 3

Calculated 24 hour rate: Bbl oil: 34 Mcf Gas: 70 Bbl H2O: 3 GOR: 2058

Test Method: Flowing Casing PSI: 838 Tubing PSI: 678 Choke Size: 16/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1081 API Gravity Oil: 47

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.

FORMATION: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION
Treatment Date: 11/02/2012 End Date: 11/02/2012 Date of First Production this formation: 11/30/2012
Perforations Top: 6322 Bottom: 6404 No. Holes: 28 Hole size: 27/64

Provide a brief summary of the formation treatment:

Open Hole: ☐

(238,840 lbs 20/40 Preferred Rock) (12,040 20/40 SB Excel. RD HES. MTP = 4,811 psi, ATP = 4,337 psi, AIR = 50.5 bpm. Pressure response was flat for entire treatment. "

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

Total fluid used in treatment (bbl): 3690

Max pressure during treatment (psi): 4881

Total gas used in treatment (mcf):

Fluid density at initial fracture (lbs/gal): 8.53

Type of gas used in treatment:

Min frac gradient (psi/ft): 0.94

Total acid used in treatment (bbl): 119

Number of staged intervals: 1

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 3

Fresh water used in treatment (bbl): 3571

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 250880

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:

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: Regulatory tech Date: 2/22/2013 Email: Jenifer.Hakkarinen@pdce.com

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------|
| 400384488 | FORM 5A SUBMITTED |

Total Attach: 1 Files

General Comments

| User Group | Comment | Comment Date |
|------------|---------|--------------|
| | | |

Total: 0 comment(s)