

FORM 5A Rev 06/12

State of Colorado Oil and Gas Conservation Commission

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Table with columns DE, ET, OE, ES

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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: 8960 2. Name of Operator: BONANZA CREEK ENERGY OPERATING COMPANY 3. Address: 410 17TH STREET SUITE #1400 City: DENVER State: CO Zip: 80202 4. Contact Name: Jessica Azzolina Phone: (720) 440-6100 Fax: (720) 279-2331 Email: jazzolina@bonanzacrk.com

5. API Number 05-123-39547-00 6. County: WELD 7. Well Name: Pronghorn Well Number: 11-14-22HNB 8. Location: QtrQtr: NWNW Section: 22 Township: 5N Range: 61W Meridian: 6 9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION Treatment Date: 02/14/2016 End Date: 02/22/2016 Date of First Production this formation: 03/24/2016 Perforations Top: 6524 Bottom: 10774 No. Holes: 260 Hole size: 1.36

Provide a brief summary of the formation treatment:

Open Hole: [X]

26 stage Niobrara pumped a total of 106,856 bbls of fluid (PermStim with 15% HCl) and 6,557,872 # of sand (40/70 Ottawa, 30/50 Ottawa); ATP 4,957 psi, ATR 64 bpm, Final ISDP 2,732 psi; completed with plug and perf.

This formation is commingled with another formation: [ ] Yes [X] No

Total fluid used in treatment (bbl): 106856 Max pressure during treatment (psi): 7746 Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.33 Type of gas used in treatment: Min frac gradient (psi/ft): 0.88 Total acid used in treatment (bbl): 630 Number of staged intervals: 26 Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 10040 Fresh water used in treatment (bbl): 106226 Disposition method for flowback: DISPOSAL Total proppant used (lbs): 6557872 Rule 805 green completion techniques were utilized: [X]

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 04/09/2016 Hours: 24 Bbl oil: 152 Mcf Gas: 270 Bbl H2O: 42 Calculated 24 hour rate: Bbl oil: 152 Mcf Gas: 270 Bbl H2O: 42 GOR: 1776 Test Method: Flowing Casing PSI: 186 Tubing PSI: 868 Choke Size: 19/64 Gas Disposition: SOLD Gas Type: WET Btu Gas: 1360 API Gravity Oil: 39 Tubing Size: 2 + 3/8 Tubing Setting Depth: 5642 Tbg setting date: 03/10/2016 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: Jessica Azzolina

Title: Drilling Tech Date: 3/21/2016 Email jazzolina@bonanzacrk.com

### Attachment Check List

**Att Doc Num**      **Name**

401012138      FORM 5A SUBMITTED

Total Attach: 1 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	•Per operator, added type and concentration of acid used in fracture stimulation.	12/14/2017
Permit	•Per operator, changed top and bottom perf/prod interval from 6421' to 6524' and from 10834' to 10774'. •Missing type and concentration of acid used in fracture stimulation.	11/15/2017
Permit	•Missing type and concentration of acid used in fracture stimulation. •Provided perf/production interval bottom is below plug back total depth. •Changed date of first production, perf/production interval top and bottom, number of holes, hole size, fresh water used in treatment, total fluid used in treatment, max pressure during treatment, flowback volume recovered, acknowledgement of green completion, and summary of the formation treatment on the formation information tab, per operator. •Changed test date, test hours, bbl oil, mcf gas, bbls H2O, calculated 24 hours rate of bbl oil, mcf gas, bbl H2O, GOR, casing PSI, tubing PSI, choke size, btu gas, and API gravity oil on the formation information tab, per operator.	09/01/2017

Total: 3 comment(s)