

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:

400408263

Date Received:

09/17/2013

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: 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: Robert Tucker
Phone: (720) 440-1600
Fax: (720) 279-2331
Email: rtucker@bonanzacrk.com

5. API Number 05-123-34918-00

6. County: WELD

7. Well Name: Antelope

Well Number: M-17

8. Location: QtrQtr: NESW Section: 17 Township: 5N Range: 62W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 04/02/2012 End Date: 04/16/2012 Date of First Production this formation: 05/26/2012

Perforations Top: 6864 Bottom: 6872 No. Holes: 32 Hole size: 40/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

Pumped 3,236 bbl pHaser Frac fluid, 12 bbl 15%HCL, 247,860# of 20/40 sand. Final ISDP 2984 psi, Avg Pressure 3401 psi, Avg Rate 22.4 bpm.

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

Total fluid used in treatment (bbl): 3236

Max pressure during treatment (psi): 2984

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment:

Min frac gradient (psi/ft): 0.87

Total acid used in treatment (bbl): 12

Number of staged intervals: 1

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 1264

Fresh water used in treatment (bbl): 3224

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 247860

Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized: PIPELINE

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: 04/02/2012 End Date: 04/16/2012 Date of First Production this formation: 05/26/2012

Perforations Top: 6612 Bottom: 6872 No. Holes: 80 Hole size: 40/100

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): _____

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

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: 06/01/2012 Hours: 24 Bbl oil: 27 Mcf Gas: 46 Bbl H2O: 3

Calculated 24 hour rate: Bbl oil: 27 Mcf Gas: 46 Bbl H2O: 3 GOR: 65

Test Method: Flowing Casing PSI: 568 Tubing PSI: 455 Choke Size: _____

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1311 API Gravity Oil: 43

Tubing Size: 2 + 3/8 Tubing Setting Depth: 6417 Tbg setting date: 04/17/2012 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: 04/02/2012 End Date: 04/16/2012 Date of First Production this formation: 05/26/2012

Perforations Top: 6612 Bottom: 6764 No. Holes: 48 Hole size: 40/100

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

Pumped 3,017 bbl pHaser Frac fluid, 12 bbl 15%HCL, 258,130# of 30/50 sand. Final ISDP 3027 psi. Avg Pressure 5547 psi, Avg Rate 24.6 bpm

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

Total fluid used in treatment (bbl): 3017

Max pressure during treatment (psi): 3027

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment: _____

Min frac gradient (psi/ft): 0.86

Total acid used in treatment (bbl): 12

Number of staged intervals: 1

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 1264

Fresh water used in treatment (bbl): 3005

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 258130

Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized: PIPELINE

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: Robert Tucker

Title: Engineering Technician Date: 9/17/2013 Email: rtucker@bonanzacrk.com

Attachment Check List

Att Doc Num	Name
400408263	FORM 5A SUBMITTED
400482147	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	<ul style="list-style-type: none">• Revised Codell formation treatment summary.• Revised Niobrara formation treatment summary.• Revised Niobrara proppant volume.• Revised GOR.	01/24/2017

Total: 1 comment(s)