

FORM
5ARev
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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Date Received:

10/15/2013

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) 440-6100
 Fax: _____
 Email: rtucker@bonanzacrk.com

5. API Number 05-123-33728-00 6. County: WELD
 7. Well Name: Antelope Well Number: 31-17
 8. Location: QtrQtr: NENE Section: 17 Township: 5N Range: 62W Meridian: 6
 9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATIONTreatment Date: 09/17/2011 End Date: 09/17/2011 Date of First Production this formation: 09/29/2011Perforations Top: 6770 Bottom: 6778 No. Holes: 32 Hole size: 4/10

Provide a brief summary of the formation treatment:

Open Hole: ☐

Completed with plug and perf. Pumped a total of 3222 (bbl) of pHaser Frac fluid, 15% HCL acid, with 245000 #'s of 30/50 Ottawa sand.

Perfed: 6770-6778

This formation is commingled with another formation: ☒ Yes ☐ NoTotal fluid used in treatment (bbl): 3222Max pressure during treatment (psi): 3067Total gas used in treatment (mcf): 0Fluid density at initial fracture (lbs/gal): 8.34

Type of gas used in treatment: _____

Min frac gradient (psi/ft): 0.85Total acid used in treatment (bbl): 12Number of staged intervals: 1Recycled water used in treatment (bbl): 0Flowback volume recovered (bbl): 1126Fresh water used in treatment (bbl): 3210Disposition method for flowback: DISPOSALTotal proppant used (lbs): 245000Rule 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.

FORMATION: NIOBRARA-CODELL		Status: PRODUCING		Treatment Type: _____	
Treatment Date: _____		End Date: _____		Date of First Production this formation: _____	
Perforations	Top: 6518	Bottom: 6778	No. Holes: 80	Hole size: 4/10	
Provide a brief summary of the formation treatment:			Open Hole: <input type="checkbox"/>		
Niobrara: 6518-6524, 6600-6612, 6666-6672 Codell: 6770-6778					
This formation is commingled with another formation:			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: <input type="checkbox"/>			
Reason why green completion not utilized: _____					
Fracture stimulations must be reported on FracFocus.org					
<u>Test Information:</u>					
Date: 11/21/2017	Hours: 24	Bbl oil: 1	Mcf Gas: 5	Bbl H2O: 1	
Calculated 24 hour rate:	Bbl oil: 1	Mcf Gas: 5	Bbl H2O: 1	GOR: 5000	
Test Method: Flowing	Casing PSI: 316	Tubing PSI: 273	Choke Size: 28/64		
Gas Disposition: SOLD	Gas Type: WET	Btu Gas: 1360	API Gravity Oil: 60		
Tubing Size: 2 + 3/8	Tubing Setting Depth: 6674	Tbg setting date: 07/25/2013	Packer Depth: _____		
Reason for Non-Production: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>					
Date formation Abandoned: _____	Squeeze: <input type="checkbox"/> Yes <input type="checkbox"/> 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: 09/17/2011 End Date: 09/17/2011 Date of First Production this formation: 09/29/2011

Perforations Top: 6518 Bottom: 6672 No. Holes: 48 Hole size: 4/10

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

Completed with plug and perf. Pumped a total of 3339 (bbl) of pHaser Frac fluid, 15% HCL acid, with 260000 #'s of 30/50 Ottawa sand.

Perfed: 6518-6524, 6600-6612, 6666-6672

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

Total fluid used in treatment (bbl): 3339

Max pressure during treatment (psi): 2834

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: 3

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 1126

Fresh water used in treatment (bbl): 3327

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 260000

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: Robert Tucker

Title: Engineering Tech Date: 10/15/2013 Email: rtucker@bonanzacrk.com

Attachment Check List

Att Doc Num	Name
400494490	FORM 5A SUBMITTED
400495633	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"> •Reason why green completion not utilized: Operator states there was no pipeline available at the time and Rule 805 green completion techniques were not utilized. •Added frac fluid type to formation treatment summary. •Corrected treatment method to Plug and Perf instead of sliding sleeves, per attached wellbore diagram (doc# 400495633). •Received concurrence from operator. •Per operator, on Niobrara-Codell panel removed treatment type, start date, end date, date of first production, fresh water used in treatment, total acid used in treatment, total fluid used in treatment, total proppant used in treatment, max pressure during treatment, fluid density at initial fracture, min frac gradient, number of staged intervals, flowback volume recovered, disposition method for flowback, and reason why green completion not utilized. •Operator states formations were not treated multiple times (i.e. independently and then again all at the same time, as the provided data implied). •Per operator, on Codell panel removed reason why green completion not utilized. •Per operator, on Niobrara panel removed reason why green completion not utilized. 	01/16/2018
Permit	<ul style="list-style-type: none"> •Reason why green completion not utilized: Pipeline but operator states there was no pipeline available at the time. •Missing frac fluid types. •The provided data for the individual panels does not equal the summed data on the combined (Nio-Codell panel) for the treatment of the wellbore. Requested verification. •Corrected treatment method to Plug and Perf instead of sliding sleeves, per attached wellbore diagram. Requested verification. •Per operator, on Niobrara-Codell panel changed treatment start date, end date, perf/production interval top and bottom, response to commingled formation, fresh water used in treatment, total acid used in treatment, total fluid used in treatment, total proppant used in treatment, max pressure during treatment, fluid density at initial fracture, min frac gradient, number of staged intervals, flowback volume recovered, disposition method for flowback, reason why green completion not utilized, and summary of the formation treatment. •Per operator, on Niobrara-Codell panel changed test date, test hours, bbl oil, mcf gas, bbls H2O, calculated 24 hours rate of bbl oil, mcf gas, GOR, casing PSI, tubing PSI, choke size, btu gas, and API gravity oil. •Per operator, on Codell panel changed treatment start date, end date and summary of the formation treatment. •Per operator, on Niobrara panel changed treatment start date, end date, number of staged intervals, and summary of the formation treatment. 	01/09/2018

Total: 2 comment(s)