

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:

400943263

Date Received:

11/25/2015

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: 10439  
2. Name of Operator: CARRIZO NIOBRARA LLC  
3. Address: 500 DALLAS STREET #2300  
City: HOUSTON State: TX Zip: 77002  
4. Contact Name: MADELON RANEY  
Phone: (713) 358-6218  
Fax:  
Email: madelon.raney@crzo.net

5. API Number 05-123-36868-00  
6. County: WELD  
7. Well Name: Nelson  
Well Number: 2-17-9-60  
8. Location: QtrQtr: SESW Section: 17 Township: 9N Range: 60W Meridian: 6  
9. Field Name: DJ HORIZONTAL NIOBRARA Field Code: 16950

Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION  
Treatment Date: 06/07/2013 End Date: 06/11/2013 Date of First Production this formation: 06/29/2013  
Perforations Top: 6939 Bottom: 10770 No. Holes: 166 Hole size: 0

Provide a brief summary of the formation treatment:

Open Hole: ☐

FRACTURE STIMULATE IN 14 STAGES THROUGH A PORT AND PACKER SYSTEM WITH 3,253,601 LBS OF 20/40 SAND AND 84,580 BBLS FRESH WATER, AND 690 BBLS OF 15% HCL ACID.

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

Total fluid used in treatment (bbl): 85270

Max pressure during treatment (psi): 6652

Total gas used in treatment (mcf): 0

Fluid density at initial fracture (lbs/gal): 8.90

Type of gas used in treatment:

Min frac gradient (psi/ft): 0.81

Total acid used in treatment (bbl): 690

Number of staged intervals: 14

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 32140

Fresh water used in treatment (bbl): 84580

Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 3253601

Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 07/10/2013 Hours: 24 Bbl oil: 286 Mcf Gas: 71 Bbl H2O: 617  
Calculated 24 hour rate: Bbl oil: 286 Mcf Gas: 71 Bbl H2O: 617 GOR: 248  
Test Method: 24 HR FLOWBACK Casing PSI: 305 Tubing PSI: 3100 Choke Size: 26  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1195 API Gravity Oil: 33  
Tubing Size: 2 + 3/8 Tubing Setting Depth: 6050 Tbg setting date: 07/01/2013 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:

GAS ANALYSIS WAS RAN AT A LATER DATE THAN THE WELL TEST.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Madelon Raney

Title: Regulatory Compl. Analyst Date: 11/25/2015 Email: madelon.raney@crzo.net  
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### **Attachment Check List**

**Att Doc Num**      **Name**

400943263	FORM 5A SUBMITTED
400943305	OTHER

Total Attach: 2 Files

### **General Comments**

**User Group**      **Comment**      **Comment Date**

Permit	• Revised total fluid volume, per operator.	6/29/2016 10:35:22 AM
Permit	Requesting additional information for total fluid volumes, discrepancies between fields and summary.	6/28/2016 2:14:17 PM

Total: 2 comment(s)