

**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:  
400562567  
Date Received:  
02/27/2014

**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: <u>57667</u>	4. Contact Name: <u>CLAYTON DOKE</u>
2. Name of Operator: <u>MINERAL RESOURCES, INC.</u>	Phone: <u>(720) 420-5700</u>
3. Address: <u>PO BOX 328</u>	Fax: <u>(720) 420-5800</u>
City: <u>GREELEY</u> State: <u>CO</u> Zip: <u>80632</u>	Email: <u>clay.doke@iptenergyservices.com</u>

5. API Number <u>05-123-24208-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>HWY 85-3</u>	Well Number: <u>C4</u>
8. Location: QtrQtr: <u>NENE</u> Section: <u>20</u> Township: <u>5N</u> Range: <u>65W</u> Meridian: <u>6</u>	
9. Field Name: <u>WATTENBERG</u> Field Code: <u>90750</u>	

**Completed Interval**

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 04/02/2011 End Date: 04/02/2011 Date of First Production this formation: 05/08/2007

Perforations Top: 7980 Bottom: 7990 No. Holes: 40 Hole size: 042/100

Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole:

Re-frac CODL w/ 129,528 gal fluid (32,084 gal SW, 97,444 gal xlink gel) and 253,940# 20/40 sand  
 ISIP=2295, ISDP=3570, ATP=5043, ATR=50.9

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): <u>3084</u>	Max pressure during treatment (psi): <u>5608</u>
Total gas used in treatment (mcf): <u>0</u>	Fluid density at initial fracture (lbs/gal): <u>8.34</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.76</u>
Total acid used in treatment (bbl): <u>0</u>	Number of staged intervals: <u>1</u>
Recycled water used in treatment (bbl): <u>0</u>	Flowback volume recovered (bbl): <u>548</u>
Fresh water used in treatment (bbl): <u>3084</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>253940</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: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 04/12/2011

Perforations Top: 7710 Bottom: 7990 No. Holes: 88 Hole size: 042/100

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: 04/20/2011 Hours: 24 Bbl oil: 25 Mcf Gas: 160 Bbl H2O: 21

Calculated 24 hour rate: Bbl oil: 25 Mcf Gas: 160 Bbl H2O: 21 GOR: 6400

Test Method: FLOWING Casing PSI: 1170 Tubing PSI: 980 Choke Size: 014/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1272 API Gravity Oil: 63

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7961 Tbg setting date: 05/03/2011 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: 04/03/2011 End Date: 04/02/2011 Date of First Production this formation: 04/12/2011  
Perforations Top: 7710 Bottom: 7836 No. Holes: 48 Hole size: 042/100

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

Perf. Frac NBRR A [7,710'-7,716'] & NBRR B [7,830'-7,836'] w/ 231,126 gal fluid (131,082 gal SLKW, 100,044 gal XLG) & 294,580# sand (240,440# 20/40 & 54,140# 40/70)  
ISIP=3435, ISDP=3605, ATP=5177, ATR=51.1

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 5503 Max pressure during treatment (psi): 5863  
Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 9.72  
Type of gas used in treatment: \_\_\_\_\_ Min frac gradient (psi/ft): 0.95  
Total acid used in treatment (bbl): 0 Number of staged intervals: 1  
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 548  
Fresh water used in treatment (bbl): 5503 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 294580 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: CLAYTON DOKE  
Title: SENIOR ENGINEER Date: 2/27/2014 Email: clay.doke@iptenergyservices.com

**Attachment Check List**

Att Doc Num	Name
400562567	FORM 5A SUBMITTED
400562593	WELLBORE DIAGRAM

Total Attach: 2 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Corrected NB-CD number of holes to 88. Added dates of first production. Ready to pass.	2/28/2014 9:19:24 AM

Total: 1 comment(s)