

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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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: 10459 4. Contact Name: Troy Owens  
 2. Name of Operator: EXTRACTION OIL & GAS INC Phone: (720) 557-8303  
 3. Address: 370 17TH STREET SUITE 5300 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80202 Email: towens@extractionog.com

5. API Number 05-123-43743-00 6. County: WELD  
 7. Well Name: TC AIMS Well Number: C4-9-11  
 8. Location: QtrQtr: SENE Section: 8 Township: 5N Range: 66W Meridian: 6  
 9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: CODELL Status: COMMINGLED Treatment Type: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: \_\_\_\_\_

Perforations Top: 7823 Bottom: 20210 No. Holes: 1850 Hole size: 11/25

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

Producing intervals: 7823-10519'; 10735'-12015'; 14414'-20210'

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: \_\_\_\_\_ 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: FORT HAYS Status: COMMINGLED Treatment Type: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: \_\_\_\_\_

Perforations Top: 7775 Bottom: 14414 No. Holes: 260 Hole size: 11/25

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

Producing interval: 7775'-7823'; 10519'-10735'; 13232'-14414'

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: \_\_\_\_\_ 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-FT HAYS-CODELL Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 07/09/2017 End Date: 08/26/2017 Date of First Production this formation: 12/16/2017

Perforations Top: 7775 Bottom: 20210 No. Holes: 2329 Hole size: 11/25

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

60 stage plug and perf;  
235382 total bbls fluid pumped: 235346 bbls fresh water and 36 bbls 15% HCl acid;  
12629250 total lbs of 30/50 and 40/70 proppant pumped.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 235382 Max pressure during treatment (psi): 8679

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): 0.93

Total acid used in treatment (bbl): 36 Number of staged intervals: 60

Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 1779

Fresh water used in treatment (bbl): 235346 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 12629250 Rule 805 green completion techniques were utilized:

Reason why green completion not utilized:

**Fracture stimulations must be reported on FracFocus.org**

**Test Information:**

Date: 12/15/2017 Hours: 24 Bbl oil: 262 Mcf Gas: 1549 Bbl H2O: 312

Calculated 24 hour rate: Bbl oil: 262 Mcf Gas: 1549 Bbl H2O: 312 GOR: 5912

Test Method: Measured Casing PSI: 3064 Tubing PSI: 2594 Choke Size: 14/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1292 API Gravity Oil: 51

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7763 Tbg setting date: 10/14/2017 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: \_\_\_\_\_  
 Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: \_\_\_\_\_  
 Perforations Top: 12015 Bottom: 13232 No. Holes: 219 Hole size: 11/25  
 Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole:

Producing interval: 12015'-13232'

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: \_\_\_\_\_ 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: \_\_\_\_\_  
 Actual TPZ: 7716 FNL, 519 FWL

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.  
 Signed: \_\_\_\_\_ Print Name: Troy Owens  
 Title: Completions Engineer Date: 12/21/2017 Email: towens@extractionog.com

**Attachment Check List**

Att Doc Num	Name
401493277	FORM 5A SUBMITTED

Total Attach: 1 Files

**General Comments**

User Group	Comment	Comment Date
Permit	<ul style="list-style-type: none"> <li>Codell Perf/Prod Interval "Top" stated as 7775', however the Form 5 (401345338) states that the Codell formation top does not occur until 7823'; corrected, per operator.</li> <li>Form 7's ok.</li> </ul>	04/26/2018

Total: 1 comment(s)