

**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: 10051  
2. Name of Operator: APOLLO OPERATING LLC  
3. Address: 1538 WAZEE ST STE 200  
City: DENVER State: CO Zip: 80202  
4. Contact Name: TANYA CARPIO  
Phone: (303) 830-0888 X.201  
Fax: (303) 830-2818

5. API Number 05-123-35825-00  
6. County: WELD  
7. Well Name: JWHS Well Number: 32-2D  
8. Location: QtrQtr: SENW Section: 2 Township: 3N Range: 68W Meridian: 6  
9. Field Name: WATTENBERG Field Code: 90750

**Completed Interval**

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 05/23/2013 End Date: 05/23/2013 Date of First Production this formation: 06/26/2013  
Perforations Top: 7460 Bottom: 7478 No. Holes: 72 Hole size: 38/100

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

CODELL SHOT FROM 7460'-7478' W/4 SPF AND 120 DEGREE PHASING. CODELL FRAC'D WITH 5209 BBLS FR WATER TREATMENT & 90160 LBS OF 30/50 PROPPANT. FORMATION BREAK @ 2714 PSI & 2.8 BPM, TREATED @ 4651 PSI AVERAGE PRESSURE, 60.0 BPM AVERAGE RATE.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 5209 Max pressure during treatment (psi): 5650

Total gas used in treatment (mcf): \_\_\_\_\_ Fluid density at initial fracture (lbs/gal): 8.40

Type of gas used in treatment: \_\_\_\_\_ Min frac gradient (psi/ft): 0.81

Total acid used in treatment (bbl): \_\_\_\_\_ Number of staged intervals: 1

Recycled water used in treatment (bbl): \_\_\_\_\_ Flowback volume recovered (bbl): 820

Fresh water used in treatment (bbl): 5209 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 90160 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: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 06/26/2013

Perforations Top: 7182 Bottom: 7478 No. Holes: 288 Hole size: 38/100

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: 06/26/2013 Hours: 24 Bbl oil: 98 Mcf Gas: 144 Bbl H2O: 149

Calculated 24 hour rate: Bbl oil: 98 Mcf Gas: 144 Bbl H2O: 149 GOR: 1465

Test Method: FLOWING Casing PSI: 1725 Tubing PSI: \_\_\_\_\_ Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1250 API Gravity Oil: 45

Tubing Size: \_\_\_\_\_ Tubing Setting Depth: \_\_\_\_\_ Tbg setting date: \_\_\_\_\_ Packer Depth: \_\_\_\_\_

Reason for Non-Production: TUBING NOT RUN YET.

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: 05/29/2013 End Date: 05/29/2013 Date of First Production this formation: 06/26/2013  
Perforations Top: 7182 Bottom: 7336 No. Holes: 216 Hole size: 38/100

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

NIOBRARA C SHOT FROM 7316-7336, NIOBRARA B SHOT FROM 7252-7268 & NIOBRARA A SHOT FROM 7182-7200 ALL W/4 SPF AND 120 DEGREE PHASING. NIOBRARA FRAC'D WITH 5255 BBLS FR WATER TREATMENT & 89660 LBS OF 30/50 PROPPANT. FORMATION BREAK @ 2598 PSI & 6.8 BPM, TREATED @ 4086 PSI AVERAGE PRESSURE, 59.6 BPM AVERAGE RATE.

This formation is commingled with another formation:  Yes  No  
Total fluid used in treatment (bbl): 5255 Max pressure during treatment (psi): 5643  
Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.40  
Type of gas used in treatment: Min frac gradient (psi/ft): 0.83  
Total acid used in treatment (bbl): 23 Number of staged intervals: 1  
Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 1216  
Fresh water used in treatment (bbl): 5231 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 89660 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: TANYA CARPIO  
Title: OFFICE MANAGER Date: Email: TCARPIO@APOLLOOPERATING.COM

**Attachment Check List**

Att Doc Num	Name
400435792	WELLBORE DIAGRAM

Total Attach: 1 Files

**General Comments**

User Group	Comment	Comment Date

Total: 0 comment(s)