

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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400435793

Date Received:

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

5. API Number <u>05-123-35822-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>JWHS</u>	Well Number: <u>31-2D</u>
8. Location: QtrQtr: <u>SENW</u> Section: <u>2</u> Township: <u>3N</u> Range: <u>68W</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: 05/23/2013 End Date: 05/23/2013 Date of First Production this formation: 06/14/2013  
Perforations Top: 7650 Bottom: 7671 No. Holes: 84 Hole size: 38/100

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

CODELL SHOT FROM 7650-7671 W/4 SPF AND 120 DEGREE PHASING. CODELL FRAC'D WITH 5201 BBLS FR WATER TREATMENT & 89900 LBS OF 30/50 PROPPANT. FORMATION BREAK @ 3256 PSI & 3.2 BPM, TREATED @ 4822 PSI AVERAGE PRESSURE, 58.7 BPM AVERAGE RATE.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 5201 Max pressure during treatment (psi): 5724

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): 970

Fresh water used in treatment (bbl): 5201 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 89900 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: 06/14/2013

Perforations Top: 7432 Bottom: 7671 No. Holes: 292 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: 06/14/2013 Hours: 24 Bbl oil: 22 Mcf Gas: 67 Bbl H2O: 254

Calculated 24 hour rate: Bbl oil: 22 Mcf Gas: 67 Bbl H2O: 254 GOR: 3097

Test Method: FLOWING Casing PSI: 1850 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 HAS NOT BE RUN YET. NIOBRARA AND CODELL FORMATIONS WERE TESTED TOGETHER.

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: 06/14/2013  
Perforations Top: 7432 Bottom: 7536 No. Holes: 208 Hole size: 38/100

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

NIOBRARA C SHOT FROM 7506-7536 & NIOBRARA B SHOT FROM 7432-7454 ALL W/4 SPF AND 120 DEGREE PHASING. NIOBRARA FRAC'D WITH 5299 BBLs FR WATER TREATMENT & 90,440 LBS OF 30/50 PROPPANT. FORMATION BREAK @ 3110 PSI & 10.2 BPM, TREATED @ 4325 PSI AVERAGE PRESSURE, 59.5 BPM AVERAGE RATE.

This formation is commingled with another formation:  Yes  No  
Total fluid used in treatment (bbl): 5299 Max pressure during treatment (psi): 5244  
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): 23 Number of staged intervals: 1  
Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 1918  
Fresh water used in treatment (bbl): 5275 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 90440 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
400435803	WELLBORE DIAGRAM

Total Attach: 1 Files

**General Comments**

User Group	Comment	Comment Date

Total: 0 comment(s)