

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:

400378834

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: 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 05-123-36327-00

7. Well Name: R & R FARMS

8. Location: QtrQtr: NENW Section: 31 Township: 5N Range: 63W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 22-31D

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>01/21/2013</u>		End Date: <u>01/21/2013</u>		Date of First Production this formation: <u>01/21/2013</u>	
Perforations	Top: <u>6795</u>	Bottom: <u>6809</u>	No. Holes: <u>56</u>	Hole size: <u>46/100</u>	

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

FRACED CODELL FORMATION WITH 2912 BBLs OF FR SLICK WATER AND 90,060 LBS OF 40/70 PREMIUM OTTAWA SAND. MAX CONC=2PPG, AVE PRESS=4939, MAX PRESS=5931 PSI, AVE RATE=60.2 BPM, MAX RATE=60.9 BPM, ISIP=3393 PSIG. TUBING NOT RUN YET.

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total fluid used in treatment (bbl): <u>2912</u>	Max pressure during treatment (psi): <u>5931</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): _____
Total acid used in treatment (bbl): <u>0</u>	Number of staged intervals: <u>7</u>
Recycled water used in treatment (bbl): <u>0</u>	Flowback volume recovered (bbl): <u>361</u>
Fresh water used in treatment (bbl): <u>2912</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>90060</u>	Rule 805 green completion techniques were utilized: <input type="checkbox"/>
Reason why green completion not utilized: <u>PIPELINE</u>	

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

**Test Information:**

Date: <u>01/22/2013</u>	Hours: <u>12</u>	Bbl oil: <u>11</u>	Mcf Gas: <u>82</u>	Bbl H2O: <u>40</u>
Calculated 24 hour rate:	Bbl oil: <u>22</u>	Mcf Gas: <u>164</u>	Bbl H2O: <u>80</u>	GOR: <u>7455</u>
Test Method: <u>FLOWING</u>	Casing PSI: <u>940</u>	Tubing PSI: _____	Choke Size: <u>12/64</u>	
Gas Disposition: <u>VENTED</u>	Gas Type: <u>DRY</u>	Btu Gas: <u>1313</u>	API Gravity Oil: <u>56</u>	
Tubing Size: _____	Tubing Setting Depth: _____	Tbg setting date: _____	Packer Depth: _____	

Reason for Non-Production:

Date formation Abandoned: _____	Squeeze: <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, number of sacks cmt _____
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\*\* Bridge Plug Depth: \_\_\_\_\_      \*\* Sacks cement on top: \_\_\_\_\_      \*\* Wireline and Cement Job Summary must be attached.

FORMATION: NIOBRARA-CODELL Status: SHUT IN Treatment Type: \_\_\_\_\_  
Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: 01/24/2013  
Perforations Top: 6610 Bottom: 6809 No. Holes: 186 Hole size: 46/100  
Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☐

SHUT IN, WAITING ON PIPELINE

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 Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 01/24/2013 End Date: 01/24/2013 Date of First Production this formation: 01/24/2013

Perforations Top: 6610 Bottom: 6636 No. Holes: 104 Hole size: 46/100

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

FRACED NIOBRARA FORMATION WITH 5174 BBLs FR SLICKWATER AND 86540 LBS OF 30/50 PREMIUM OTTAWA SAND. MAX CONC.=0.75PPG, AVE PRESS=4635 PSI, MAX PRESS=5454 PSI, AVE RATE=60 BPM, MAX RATE=61.7 BPM, ISIP=3487PSI. TUBING NOT RUN YET.

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

Total fluid used in treatment (bbl): 5212 Max pressure during treatment (psi): 5454

Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.30

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

Total acid used in treatment (bbl): 38 Number of staged intervals: 6

Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 617

Fresh water used in treatment (bbl): 5174 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 86540 Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized: PIPELINE

Fracture stimulations must be reported on [FracFocus.org](http://FracFocus.org)

**Test Information:**

Date: 01/25/2013 Hours: 12 Bbl oil: 24 Mcf Gas: 90 Bbl H2O: 170

Calculated 24 hour rate: Bbl oil: 48 Mcf Gas: 180 Bbl H2O: 340 GOR: 3750

Test Method: FLOWING Casing PSI: 1100 Tubing PSI: Choke Size: 12/64

Gas Disposition: VENTED Gas Type: DRY Btu Gas: 1313 API Gravity Oil: 56

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

Reason for Non-Production: FLOW THRU CAST IRON BRIDGE PLUG SET AT 6700'

Date formation Abandoned: Squeeze: ☐ Yes ☐ No If yes, number of sacks cmt

\*\* Bridge Plug Depth: 6700 \*\* 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
400378844	WELBORE DIAGRAM

Total Attach: 1 Files

**General Comments**

User Group	Comment	Comment Date

Total: 0 comment(s)