

**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:
400369460

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>05-069-06450-00</u>	6. County: <u>LARIMER</u>
7. Well Name: <u>MURDOCK</u>	Well Number: <u>13-34D</u>
8. Location: QtrQtr: <u>SESW</u> Section: <u>34</u> Township: <u>5N</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: 12/06/2012 End Date: 12/06/2012 Date of First Production this formation: 12/06/2012

Perforations Top: 7489 Bottom: 7506 No. Holes: 68 Hole size: 38/100

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

Fraced Codell on 12-6-2012 with Superior, pumped 811 Bbl. Pad and 4253 Bbl. SLF Fluid , 91,180 lbs. of 30/50White Sand, flush with 300 Bbls., ATP= 4012 psi, Max=5237 psi, AR= 60.5 BPM, Max= 61.1 BPM , ISIP=2727 psi, FG=0.797, 5 min.= 2662psi

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): <u>5363</u>	Max pressure during treatment (psi): <u>5237</u>
Total gas used in treatment (mcf): <u>0</u>	Fluid density at initial fracture (lbs/gal): <u>8.40</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.79</u>
Total acid used in treatment (bbl): <u>0</u>	Number of staged intervals: <u>6</u>
Recycled water used in treatment (bbl): <u>0</u>	Flowback volume recovered (bbl): <u>857</u>
Fresh water used in treatment (bbl): <u>5363</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>91180</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>12/08/2012</u>	Hours: <u>24</u>	Bbl oil: <u>30</u>	Mcf Gas: <u>42</u>	Bbl H2O: <u>64</u>
Calculated 24 hour rate:	Bbl oil: <u>30</u>	Mcf Gas: <u>42</u>	Bbl H2O: <u>64</u>	GOR: <u>1400</u>
Test Method: <u>FLOWING</u>	Casing PSI: <u>550</u>	Tubing PSI: _____	Choke Size: <u>12/64</u>	
Gas Disposition: <u>VENTED</u>	Gas Type: <u>DRY</u>	Btu Gas: <u>1340</u>	API Gravity Oil: <u>44</u>	
Tubing Size: _____	Tubing Setting Depth: _____	Tbg setting date: _____	Packer Depth: _____	

Reason for Non-Production: TUBING HAS NOT BEEN 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-CODELL Status: SHUT IN Treatment Type: FRACTURE STIMULATION

Treatment Date: _____ End Date: _____ Date of First Production this formation: _____

Perforations Top: 7164 Bottom: 7506 No. Holes: 156 Hole size: 38/100

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

SHUT IN, WAITING ON PIPELINE CONNECTION.

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: 12/12/2012 End Date: 12/12/2012 Date of First Production this formation: 12/12/2012
Perforations Top: 7164 Bottom: 7275 No. Holes: 88 Hole size: 38/100

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

Frac'd NIO " A & B " on 12-12-2012 with Superior, pumped 939 Bbl. Pad, 1000 gal 15% acid and 4181 Bbl. SLF Fluid 90,080 lbs. of 30/50White Sand, flush with 300 Bbls., ATP= 4542 psi, Max=5618 psi, AR= 61.6 BPM, Max= 63.0 BPM, ISIP=2856 psi, FG=0.829; 5 min.= 2776 psi

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 5445 Max pressure during treatment (psi): 5618
Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.40
Type of gas used in treatment: Min frac gradient (psi/ft): 0.82
Total acid used in treatment (bbl): 24 Number of staged intervals: 11
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 1205
Fresh water used in treatment (bbl): 5445 Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 90080 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: 12/13/2012 Hours: 24 Bbl oil: 42 Mcf Gas: 89 Bbl H2O: 138
Calculated 24 hour rate: Bbl oil: 42 Mcf Gas: 89 Bbl H2O: 138 GOR: 2119
Test Method: FLOWING Casing PSI: 1250 Tubing PSI: Choke Size: 12/64
Gas Disposition: VENTED Gas Type: DRY Btu Gas: 1340 API Gravity Oil: 44
Tubing Size: Tubing Setting Depth: Tbg setting date: Packer Depth:

Reason for Non-Production: TUBING HAS NOT BEEN RUN YET. FLOW THRU CAST IRON BRIDGE PLUG SET AT 7370' MD, BELOW NIOBRARA PERFS AND ABOVE CODELL PERFS.

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
400369537	CEMENT JOB SUMMARY
400370179	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

User Group	Comment	Comment Date

Total: 0 comment(s)