

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:

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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 05-069-06449-00

7. Well Name: MURDOCK

8. Location: QtrQtr: SESW Section: 34 Township: 5N Range: 68W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: LARIMER

Well Number: 34SW-BL

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: 7626 Bottom: 7646 No. Holes: 80 Hole size: 38/100
Provide a brief summary of the formation treatment: _____ Open Hole: ☐

Fraccd Codell on 12-6-2012 with Superior, pumped 809 Bbl. Pad and 4146 Bbl. SLF Fluid 90,080 lbs. of 30/50White Sand, flush with 300 Bbls., ATP= 4211 psi, Max=5361 psi, AR= 60.3 BPM, Max= 62.3 BPM , ISIP=2766 psi, FG=0.802, 5 min.= 2688psi

This formation is commingled with another formation: ☒ Yes ☐ No
Total fluid used in treatment (bbl): 5255 Max pressure during treatment (psi): 5361
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): 0.80
Total acid used in treatment (bbl): 0 Number of staged intervals: 6
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 752
Fresh water used in treatment (bbl): 5255 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: 12/08/2012 Hours: 6 Bbl oil: 6 Mcf Gas: 35 Bbl H2O: 47
Calculated 24 hour rate: Bbl oil: 24 Mcf Gas: 140 Bbl H2O: 188 GOR: 1458
Test Method: FLOWING Casing PSI: 450 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 NOT SET 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: 12/12/2012 End Date: 12/12/2012 Date of First Production this formation: 12/12/2012

Perforations Top: 7307 Bottom: 7646 No. Holes: 192 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: _____ 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: SHUT-IN, WAITING FOR PIPELINE.

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: 7307 Bottom: 7501 No. Holes: 112 Hole size: 38/100
Provide a brief summary of the formation treatment: Open Hole: ☐

Fraced NIO " A, B & C" on 12-12-2012 with Superior, pumped 811 Bbl. Pad, 1000 gal 15% acid and 4224 Bbl. SLF Fluid 90,020 lbs. of 30/50White Sand, flush with 300 Bbls., ATP= 4207 psi, Max=5332 psi, AR= 61.4 BPM, Max= 62.1 BPM, ISIP=2904 psi, FG=0.825; 5 min.= 2958 psi

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

Total fluid used in treatment (bbl): 5359 Max pressure during treatment (psi): 5332
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: 8
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 1956
Fresh water used in treatment (bbl): 5359 Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 90020 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: 12/14/2012 Hours: 24 Bbl oil: 32 Mcf Gas: 75 Bbl H2O: 240
Calculated 24 hour rate: Bbl oil: 32 Mcf Gas: 75 Bbl H2O: 240 GOR: 3125
Test Method: FLOWING Casing PSI: 1525 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 NOT SET YET. FLOW THROUGH CAST IRON BRIDGE PLUG SET ABOVE CODELL PERFS AND BELOW NIOBRARA PERFS AT 7540' MD.

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
400369834	CEMENT JOB SUMMARY
400370172	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)