

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:

400852302

Date Received:

06/24/2015

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: 10399  
2. Name of Operator: NIGHTHAWK PRODUCTION LLC  
3. Address: 1805 SHEA CENTER DR #290  
City: HIGHLANDS State: CO Zip: 80129  
4. Contact Name: Joyce Henkin  
Phone: (303) 407-9609  
Fax: (303) 407-8790  
Email: joycehenkin@nighthawkenergy.com

5. API Number 05-073-06528-00  
6. County: LINCOLN  
7. Well Name: SILVERTON  
Well Number: 16-10  
8. Location: QtrQtr: SESE Section: 10 Township: 6S Range: 54W Meridian: 6  
9. Field Name: ARIKAREE CREEK Field Code: 2914

Completed Interval

FORMATION: MISSISSIPPIAN-PENNSYLVANIA Status: COMMINGLED Treatment Type:  
Treatment Date: End Date: Date of First Production this formation:  
Perforations Top: 7404 Bottom: 8142 No. Holes: 142 Hole size: 51/100  
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: 06/14/2015 Hours: 24 Bbl oil: 32 Mcf Gas: 23 Bbl H2O: 348  
Calculated 24 hour rate: Bbl oil: 32 Mcf Gas: 23 Bbl H2O: 348 GOR: 719  
Test Method: Pumping Casing PSI: 35 Tubing PSI: 60 Choke Size:  
Gas Disposition: FLARED Gas Type: DRY Btu Gas: 752 API Gravity Oil: 36  
Tubing Size: Tubing Setting Depth: Tbg setting date: Packer Depth:  
Reason for Non-Production: Test info is commingled test of 4 formation MRTN-CHRK-SPGN & SIMP  
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: SIMPSON Status: PRODUCING Treatment Type: ACID JOB  
Treatment Date: 06/09/2015 End Date: 06/12/2015 Date of First Production this formation: 06/14/2015  
Perforations Top: 8162 Bottom: 8264 No. Holes: 64 Hole size: 52/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

Acidized 8,162' -8,170' with 28.5 bbls of 15% HCL and displaced with 85 bbls of 2% KCL.

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

Total fluid used in treatment (bbl): 113

Max pressure during treatment (psi): 0

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): 28

Number of staged intervals:                     

Recycled water used in treatment (bbl): 85

Flowback volume recovered (bbl): 167

Fresh water used in treatment (bbl):                     

Disposition method for flowback: DISPOSAL

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: 2 + 7/8 Tubing Setting Depth: 8152 Tbg setting date: 06/09/2015 Packer Depth: 8152

Reason for Non-Production: Simpson was actually perforated on 6-18-13. Info inadvertently not reported. CIBP was set above at 8,154' and below at 8,240' with 2 sks of cement. See WB diagram So never produced but should have been reported TA. But now CIBP was moved to 8,228' opening those perms to treat.

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

\*\* Bridge Plug Depth: 8228 \*\* Sacks cement on top: 0 \*\* Wireline and Cement Job Summary must be attached.

**Comment:**

Producing formation now should be MRTN-CHRK-SPGN & SIMP

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed:                      Print Name: Joyce Henkin

Title: Production Tech Date: 6/24/2015 Email joycehenkin@nighthawkenenergy.com

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### **Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
400852302	FORM 5A SUBMITTED
400858280	WELLBORE DIAGRAM
400858284	OPERATIONS SUMMARY
400858286	WIRELINE JOB SUMMARY
400858289	WIRELINE JOB SUMMARY

Total Attach: 5 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Corrected bottom perf interval on Miss.-Penn. panel from 8170' to 8142' to reflect wellbore diagram.	6/25/2015 8:27:40 AM

Total: 1 comment(s)