

FORM 5A Rev 06/12

State of Colorado Oil and Gas Conservation Commission

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Table with columns DE, ET, OE, ES

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, reoperation 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-PENNSYLVANI 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: [X] 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 perfs 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@nighthawkenery.com

## Attachment Check List

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

Total Attach: 5 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
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)