

FORM 5A Rev 06/12

State of Colorado Oil and Gas Conservation Commission

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Table with columns DE, ET, OE, ES

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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 05-073-06361-00 6. County: LINCOLN 7. Well Name: Steamboat Hansen Well Number: 8-10 8. Location: QtrQtr: SENE Section: 10 Township: 6S Range: 54W Meridian: 6 9. Field Name: ARIKAREE CREEK Field Code: 2914

Completed Interval

FORMATION: SPERGEN Status: PRODUCING Treatment Type: ACID JOB

Treatment Date: 01/16/2018 End Date: 01/19/2018 Date of First Production this formation: 11/07/2012

Perforations Top: 8018 Bottom: 8065 No. Holes: 153 Hole size: 52/100

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

Pumped 8,064 gallons 2% KCl with 1,848 gallons of additives and 148 bio balls.

This formation is commingled with another formation: [ ] Yes [X] No

Total fluid used in treatment (bbl): 236 Max pressure during treatment (psi): 1920 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): 44 Number of staged intervals: Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 153 Fresh water used in treatment (bbl): 192 Disposition method for flowback: DISPOSAL Total proppant used (lbs): 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: 01/20/2018 Hours: 24 Bbl oil: 51 Mcf Gas: 20 Bbl H2O: 248 Calculated 24 hour rate: Bbl oil: 51 Mcf Gas: 20 Bbl H2O: 248 GOR: 392 Test Method: Pumping Casing PSI: Tubing PSI: Choke Size: Gas Disposition: FLARED Gas Type: WET Btu Gas: 803 API Gravity Oil: 36 Tubing Size: 2 + 7/8 Tubing Setting Depth: 8172 Tbg setting date: 02/19/2018 Packer Depth: 7989

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.

Comment:

Acidize SPGN - Producing

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: 2/9/2018 Email: joycehenkin@nighthawkenergy.com  
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### **Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
401541328	FORM 5A SUBMITTED
401541397	OPERATIONS SUMMARY
401541400	WELLBORE DIAGRAM
401541403	NET PRESSURE CHART

Total Attach: 4 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
		Stamp Upon Approval

Total: 0 comment(s)