

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:

400993512

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: 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

7. Well Name: Steamboat Hansen

8. Location: QtrQtr: SENE Section: 10 Township: 6S Range: 54W Meridian: 6

9. Field Name: ARIKAREE CREEK Field Code: 2914

6. County: LINCOLN

Well Number: 8-10

## Completed Interval

FORMATION: SPERGEN Status: PRODUCING Treatment Type: ACID JOB  
Treatment Date: 02/05/2016 End Date: 02/09/2016 Date of First Production this formation: 11/08/2012  
Perforations Top: 8018 Bottom: 8065 No. Holes: 153 Hole size: 52/100  
Provide a brief summary of the formation treatment: Open Hole: ☐

Acidize only  
Treated well with 6,000 gallons (140 bbls) 2% KCl with 1,000 gallons of acetone, 750 gallons of ethanol, with anti-sludge & iron control.  
Dropped 140 bio diversion balls  
Displaced with 34 bbls of flush water

This formation is commingled with another formation: ☐ Yes ☒ No  
Total fluid used in treatment (bbl): 180 Max pressure during treatment (psi): 1720  
Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal):  
Type of gas used in treatment: Min frac gradient (psi/ft):  
Total acid used in treatment (bbl): 42 Number of staged intervals:  
Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 111  
Fresh water used in treatment (bbl): 138 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 0 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: 02/12/2016 Hours: 24 Bbl oil: 142 Mcf Gas: 25 Bbl H2O: 85  
Calculated 24 hour rate: Bbl oil: 142 Mcf Gas: 25 Bbl H2O: 85 GOR: 176  
Test Method: Pumping Casing PSI: 35 Tubing PSI: 90 Choke Size:  
Gas Disposition: FLARED Gas Type: DRY Btu Gas: 803 API Gravity Oil: 36  
Tubing Size: 2 + 7/8 Tubing Setting Depth: 8172 Tbg setting date: 02/09/2016 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.

Comment:

Acidization of the Spergen

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: Email: joycehenkin@nighthawkenenergy.com

## Attachment Check List

Att Doc Num	Name
400994823	OPERATIONS SUMMARY
400994824	OPERATIONS SUMMARY
400994828	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

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

Total: 0 comment(s)