

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: 400697735

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 05-073-06561-00 6. County: LINCOLN 7. Well Name: SNOWBIRD Well Number: 16-15 8. Location: QtrQtr: SESE Section: 15 Township: 6S Range: 54W Meridian: 6 9. Field Name: ARIKAREE CREEK Field Code: 2914

Completed Interval

FORMATION: CHEROKEE Status: PRODUCING Treatment Type: ACID JOB

Treatment Date: 10/22/2014 End Date: 10/23/2014 Date of First Production this formation: 11/10/2014 Perforations Top: 7428 Bottom: 7431 No. Holes: 18 Hole size: 48/100

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

Acidized with 500 gallons of 15% HCl and displaced with 45 bbls of 2% KCl water

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

Total fluid used in treatment (bbl): 57 Max pressure during treatment (psi): 1310 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): 12 Number of staged intervals: Recycled water used in treatment (bbl): 45 Flowback volume recovered (bbl): 72 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: 11/10/2014 Hours: 24 Bbl oil: 521 Mcf Gas: 0 Bbl H2O: 0 Calculated 24 hour rate: Bbl oil: 521 Mcf Gas: 0 Bbl H2O: 0 GOR: 0 Test Method: Pumping Casing PSI: 3 Tubing PSI: 60 Choke Size: Gas Disposition: Gas Type: Btu Gas: 0 API Gravity Oil: 38 Tubing Size: 2 + 7/8 Tubing Setting Depth: 7321 Tbg setting date: 11/03/2014 Packer Depth: 7223

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.

FORMATION: MARMATON Status: PRODUCING Treatment Type: ACID JOB

Treatment Date: 10/27/2014 End Date: 10/31/2014 Date of First Production this formation: 11/10/2014

Perforations Top: 7266 Bottom: 7404 No. Holes: 96 Hole size: 48/100

Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole:

Acidized with 1200 gallons of 15% HCl and displaced with 45 bbls of 2% KCl water in perf's 7,396'-7,404'  
Came uphole and Perf'd 7,266'-7,274'- Acidized with another 1200 gallons of 15% HCl and displaced with 44 bbls of 2% KCl water

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 146 Max pressure during treatment (psi): 1100

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): 57 Number of staged intervals: \_\_\_\_\_

Recycled water used in treatment (bbl): \_\_\_\_\_ Flowback volume recovered (bbl): 140

Fresh water used in treatment (bbl): 89 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: 11/10/2014 Hours: 24 Bbl oil: 521 Mcf Gas: 0 Bbl H2O: 0

Calculated 24 hour rate: Bbl oil: 521 Mcf Gas: 0 Bbl H2O: 0 GOR: 0

Test Method: Pumping Casing PSI: 3 Tubing PSI: 60 Choke Size: \_\_\_\_\_

Gas Disposition: \_\_\_\_\_ Gas Type: \_\_\_\_\_ Btu Gas: 0 API Gravity Oil: 38

Tubing Size: 2 + 7/8 Tubing Setting Depth: 7321 Tbg setting date: 10/26/2014 Packer Depth: 7223

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.

FORMATION: SPERGEN Status: PLUGGED AND ABANDONED Treatment Type: ACID JOB

Treatment Date: 10/21/2014 End Date: 10/22/2014 Date of First Production this formation:

Perforations Top: 8141 Bottom: 8146 No. Holes: 30 Hole size: 48/100

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

Perf'd 8,141' - 8,146'

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: Recovered only water

Date formation Abandoned: 10/22/2014 Squeeze:  Yes  No If yes, number of sacks cmt \_\_\_\_\_

\*\* Bridge Plug Depth: 8130 \*\* Sacks cement on top: 2 \*\* 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: Joyce Henkin
Title: Production Tech Date: \_\_\_\_\_ Email joycehenkin@nighthawkenergy.com

Attachment Check List

Table with 2 columns: Att Doc Num, Name. Rows include 400735147 WIRELINE JOB SUMMARY, 400735156 WIRELINE JOB SUMMARY, 400735171 OPERATIONS SUMMARY, 400735205 WIRELINE JOB SUMMARY, 400735217 OPERATIONS SUMMARY, 400735259 OPERATIONS SUMMARY, 400735302 WIRELINE JOB SUMMARY, 400735322 OPERATIONS SUMMARY.

Total Attach: 8 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

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

Total: 0 comment(s)