

FORM  
5ARev  
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



DE ET OE ES

Document Number:

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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 05-121-11045-00  
6. County: WASHINGTON  
7. Well Name: SALEN  
Well Number: 14-35  
8. Location: QtrQtr: SESW Section: 35 Township: 5S Range: 54W Meridian: 6  
9. Field Name: WILDCAT Field Code: 99999

## Completed Interval

FORMATION: CHEROKEE Status: PRODUCING Treatment Type: ACID JOB  
Treatment Date: 10/10/2014 End Date: 10/14/2014 Date of First Production this formation: 10/30/2014  
Perforations Top: 7426 Bottom: 7429 No. Holes: 18 Hole size: 48/100  
Provide a brief summary of the formation treatment: Open Hole: ☐  
Acidized with 500 gallons of 7.5% acetic acid with additives and 45 bbls of KCl water  
Acideized with 500 gallons of 15% HCl with additives and 49 bbls of 2% KCl water  
This formation is commingled with another formation: ☒ Yes ☐ No  
Total fluid used in treatment (bbl): 118 Max pressure during treatment (psi): 1700  
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): 24 Number of staged intervals:  
Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 155  
Fresh water used in treatment (bbl): 94 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: 10/31/2014 Hours: 24 Bbl oil: 407 Mcf Gas: 19 Bbl H2O: 0  
Calculated 24 hour rate: Bbl oil: 407 Mcf Gas: 19 Bbl H2O: 0 GOR: 47  
Test Method: Swabbing Casing PSI: 0 Tubing PSI: 72 Choke Size:  
Gas Disposition: FLARED Gas Type: DRY Btu Gas: 1481 API Gravity Oil: 39  
Tubing Size: 2 + 7/8 Tubing Setting Depth: 7416 Tbg setting date: 10/10/2014 Packer Depth: 7397  
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: 10/16/2014		End Date: 10/14/2014		Date of First Production this formation: 10/31/2014	
Perforations Top: 7228		Bottom: 7234		No. Holes: 36      Hole size: 41/100	
Provide a brief summary of the formation treatment:				Open Hole: <input type="checkbox"/>	
Acidize with 22 bbls of 15% HCL with additives and 51 bbls of 2% KCl water					
This formation is commingled with another formation:				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total fluid used in treatment (bbl): 73		Max pressure during treatment (psi): 1000			
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): 22		Number of staged intervals:			
Recycled water used in treatment (bbl):		Flowback volume recovered (bbl): 113			
Fresh water used in treatment (bbl): 51		Disposition method for flowback: RECYCLE			
Total proppant used (lbs):		Rule 805 green completion techniques were utilized: <input checked="" type="checkbox"/>			
Reason why green completion not utilized: _____					
<b>Fracture stimulations must be reported on FracFocus.org</b>					
<b><u>Test Information:</u></b>					
Date: 10/31/2014	Hours: 24	Bbl oil: 407	Mcf Gas: 19	Bbl H2O: 0	
Calculated 24 hour rate:	Bbl oil: 407	Mcf Gas: 19	Bbl H2O: 0	GOR: 47	
Test Method: swabbing	Casing PSI:	Tubing PSI: 75	Choke Size:		
Gas Disposition: FLARED	Gas Type: DRY	Btu Gas: 1481	API Gravity Oil: 39		
Tubing Size: 2 + 7/8	Tubing Setting Depth: 7480	Tbg setting date: 10/21/2014	Packer Depth: 7205		
Reason for Non-Production: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>					
Date formation Abandoned:	Squeeze: <input type="checkbox"/> Yes <input type="checkbox"/> 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: 10/05/2014 End Date: 10/07/2014 Date of First Production this formation:  
Perforations Top: 8072 Bottom: 8124 No. Holes: 108 Hole size: 48/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

Simpson is also included in this formation but not a combo choice available.

Perf'd 8,114' - 8,124' & 8,072' - 8,080'

Acidized with 30 bbls of 7.5% HCL with inhibitors loading hole Switched to 63 bbls of 2% KCl water flush

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

Total fluid used in treatment (bbl): 93

Max pressure during treatment (psi): 2600

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): 30

Number of staged intervals:

Recycled water used in treatment (bbl):

Flowback volume recovered (bbl): 163

Fresh water used in treatment (bbl): 63

Disposition method for flowback: RECYCLE

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: 8067 Tbg setting date: 10/07/2014 Packer Depth: 8051

Reason for Non-Production: Fluid entry only water - Recovered all of acid load and formation water

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

\*\* Bridge Plug Depth: 8060 \*\* 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@nighthawkenenergy.com

:

### Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400724696	WIRELINER JOB SUMMARY
400724701	WIRELINER JOB SUMMARY
400724704	OPERATIONS SUMMARY
400724705	WIRELINER JOB SUMMARY
400724708	OPERATIONS SUMMARY
400724710	OPERATIONS SUMMARY
400724712	WIRELINER JOB SUMMARY
400724714	OPERATIONS SUMMARY
400757966	WELLBORE DIAGRAM

Total Attach: 9 Files

### General Comments

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

Total: 0 comment(s)