

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:

400598874

Date Received:

07/23/2014

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 05-073-06567-00
6. County: LINCOLN
7. Well Name: JOHN CRAIG
Well Number: 10-10
8. Location: QtrQtr: NWSE Section: 10 Township: 10S Range: 56W Meridian: 6
9. Field Name: OLD HOMESTEAD Field Code: 60634

Completed Interval

FORMATION: CHEROKEE Status: TEMPORARILY ABANDONED Treatment Type: ACID JOB
Treatment Date: 06/10/2014 End Date: 06/16/2014 Date of First Production this formation:
Perforations Top: 7461 Bottom: 7465 No. Holes: 16 Hole size: 43/100

Provide a brief summary of the formation treatment:

Open Hole: ☐

Acidized with 600 gallons of 15% HCl with additives.
Flush with 60 bbls of 2% KCl water

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

Total fluid used in treatment (bbl): 74 Max pressure during treatment (psi): 2500
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): 14 Number of staged intervals:
Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 115
Fresh water used in treatment (bbl): 60 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: Tubing Setting Depth: Tbg setting date: Packer Depth:

Reason for Non-Production: All water - Set WRBP at 7,450' final depth - No cement on 6/16/14 TA

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

** Bridge Plug Depth: 7450 ** Sacks cement on top: ** Wireline and Cement Job Summary must be attached.

FORMATION: <u>MARMATON</u>		Status: <u>PRODUCING</u>		Treatment Type: <u>ACID JOB</u>	
Treatment Date: <u>06/16/2014</u>		End Date: <u>06/17/2014</u>		Date of First Production this formation: <u>06/28/2014</u>	
Perforations	Top: <u>7302</u>	Bottom: <u>7308</u>	No. Holes: <u>24</u>	Hole size: <u>43/100</u>	

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

Acidized with 50 bbls of 15% HCl with additives.
 Dropped 60 bio balls
 Pumped 90 bbls displacement of 2% KCl water
 Perf'd 7,302' - 7,308'

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

Total fluid used in treatment (bbl): <u>140</u>	Max pressure during treatment (psi): <u>2450</u>
Total gas used in treatment (mcf): <u>0</u>	Fluid density at initial fracture (lbs/gal): _____
Type of gas used in treatment: _____	Min frac gradient (psi/ft): _____
Total acid used in treatment (bbl): <u>50</u>	Number of staged intervals: _____
Recycled water used in treatment (bbl): _____	Flowback volume recovered (bbl): <u>355</u>
Fresh water used in treatment (bbl): <u>90</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>0</u>	Rule 805 green completion techniques were utilized: <input type="checkbox"/>

Reason why green completion not utilized: _____

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: <u>06/28/2014</u>	Hours: <u>24</u>	Bbl oil: <u>151</u>	Mcf Gas: <u>0</u>	Bbl H2O: <u>30</u>
Calculated 24 hour rate:	Bbl oil: <u>151</u>	Mcf Gas: <u>0</u>	Bbl H2O: <u>30</u>	GOR: <u>0</u>
Test Method: <u>Pumping</u>	Casing PSI: <u>43</u>	Tubing PSI: <u>25</u>	Choke Size: _____	
Gas Disposition: _____	Gas Type: _____	Btu Gas: <u>0</u>	API Gravity Oil: <u>37</u>	
Tubing Size: <u>2 + 7/8</u>	Tubing Setting Depth: <u>7362</u>	Tbg setting date: <u>06/18/2014</u>	Packer Depth: _____	

Reason for Non-Production: WRBP set @ 7,450'

Date formation Abandoned: _____ Squeeze: ☐ Yes ☐ No If yes, number of sacks cmt _____

** Bridge Plug Depth: 7450 ** Sacks cement on top: _____ ** Wireline and Cement Job Summary must be attached.

FORMATION: MISSISSIPPIAN Status: PLUGGED AND ABANDONED Treatment Type: ACID JOB
Treatment Date: 05/29/2014 End Date: 06/10/2014 Date of First Production this formation: _____
Perforations Top: 8078 Bottom: 8144 No. Holes: 112 Hole size: 43/100
Provide a brief summary of the formation treatment: _____ Open Hole: ☐

Perf'd 8,126' - 8,144' Acidized with 50 bbls of 15% HCl and dropped 60 bio balls. Displaced with 90 bbls of 2% KCL water
Perf'd 8,090'-8,094'
Perf'd 8,078-8,084'

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

Total fluid used in treatment (bbl): 140 Max pressure during treatment (psi): 2500
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): 50 Number of staged intervals: _____
Recycled water used in treatment (bbl): _____ Flowback volume recovered (bbl): 470
Fresh water used in treatment (bbl): 90 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: _____ Tubing Setting Depth: _____ Tbg setting date: _____ Packer Depth: _____
Reason for Non-Production: No oil or shows - all water
Date formation Abandoned: 06/10/2014 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: 7/23/2014 Email: joycehenkin@nighthawkenenergy.com
:

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400598874	FORM 5A SUBMITTED
400672429	WELLBORE DIAGRAM
400672850	WIRELINE JOB SUMMARY
400672851	OPERATIONS SUMMARY
400672853	WIRELINE JOB SUMMARY
400672858	WIRELINE JOB SUMMARY
400672862	WIRELINE JOB SUMMARY
400672869	OPERATIONS SUMMARY
400672872	WIRELINE JOB SUMMARY

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Wellbore diagram does not show all the perforated intervals.	8/25/2014 2:21:43 PM
Permit	Form 5A appears to be done incorrectly. May need to be withdrawn. Operator says Marmaton perms went from 7300 to 8144. Cherokee reported from 7461-7465. Falls within the Marmaton. Need multiple form 5A's	8/25/2014 12:39:03 PM

Total: 2 comment(s)