

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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Date Received:

08/07/2013

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: Mindy Obando
Phone: (303) 407-9605
Fax: (303) 407-8790

5. API Number 05-073-06481-00
6. County: LINCOLN
7. Well Name: WHISTLER
Well Number: 6-22
8. Location: QtrQtr: SEnw Section: 22 Township: 6S Range: 54W Meridian: 6
9. Field Name: ARIKAREE CREEK Field Code: 2914

Completed Interval

FORMATION: CHEROKEE Status: SHUT IN Treatment Type: ACID JOB
Treatment Date: 11/19/2012 End Date: 12/11/2012 Date of First Production this formation: _____
Perforations Top: 7464 Bottom: 7540 No. Holes: 139 Hole size: 52/100
Provide a brief summary of the formation treatment: _____ Open Hole: ☐

Acidize 7,534 to 7,540 with 600 gal 15% HCL on 11/19/12
Acidize 7,490 to 7,504 with 1,400 gal 15% HCL on 11/20/12
Acidize 7,464 to 7,474 with 1,000 gal 15% HCL on 11/27/12

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

Total fluid used in treatment (bbl): 211 Max pressure during treatment (psi): 500
Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 0.00
Type of gas used in treatment: _____ Min frac gradient (psi/ft): 0.00
Total acid used in treatment (bbl): 71 Number of staged intervals: 0
Recycled water used in treatment (bbl): 140 Flowback volume recovered (bbl): 224
Fresh water used in treatment (bbl): 0 Disposition method for flowback: RECYCLE
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: 11/27/2012 Hours: 6 Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 71
Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 250 GOR: 0
Test Method: Pumping Casing PSI: 500 Tubing PSI: 500 Choke Size: _____
Gas Disposition: _____ Gas Type: _____ Btu Gas: 0 API Gravity Oil: 0
Tubing Size: 2 + 7/8 Tubing Setting Depth: 7473 Tbg setting date: 11/26/2012 Packer Depth: 7343

Reason for Non-Production: All water, no oil

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: <u>LANSING-KANSAS CITY</u>		Status: <u>SHUT IN</u>		Treatment Type: <u>ACID JOB</u>	
Treatment Date: <u>04/11/2013</u>		End Date: <u>04/11/2013</u>		Date of First Production this formation: _____	
Perforations	Top: <u>7178</u>	Bottom: <u>7200</u>	No. Holes: <u>88</u>	Hole size: <u>52/100</u>	
Provide a brief summary of the formation treatment:			Open Hole: <input type="checkbox"/>		
Acidize 7,178 - 7,200 with 2,200 gal 28% HCL					
This formation is commingled with another formation:			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Total fluid used in treatment (bbl): <u>145</u>		Max pressure during treatment (psi): <u>0</u>			
Total gas used in treatment (mcf): <u>0</u>		Fluid density at initial fracture (lbs/gal): <u>0.00</u>			
Type of gas used in treatment: _____		Min frac gradient (psi/ft): <u>0.00</u>			
Total acid used in treatment (bbl): <u>52</u>		Number of staged intervals: <u>0</u>			
Recycled water used in treatment (bbl): <u>93</u>		Flowback volume recovered (bbl): <u>76</u>			
Fresh water used in treatment (bbl): <u>0</u>		Disposition method for flowback: <u>RECYCLE</u>			
Total proppant used (lbs): <u>0</u>		Rule 805 green completion techniques were utilized: <input type="checkbox"/>			
Reason why green completion not utilized:				<u>PIPELINE</u>	
Fracture stimulations must be reported on FracFocus.org					
<u>Test Information:</u>					
Date: <u>04/12/2013</u>	Hours: <u>9</u>	Bbl oil: <u>0</u>	Mcf Gas: <u>0</u>	Bbl H2O: <u>307</u>	
Calculated 24 hour rate:	Bbl oil: <u>0</u>	Mcf Gas: <u>0</u>	Bbl H2O: <u>307</u>	GOR: <u>0</u>	
Test Method: <u>Pumping</u>	Casing PSI: <u>10</u>	Tubing PSI: <u>10</u>	Choke Size: _____		
Gas Disposition: _____	Gas Type: _____	Btu Gas: <u>0</u>	API Gravity Oil: <u>0</u>		
Tubing Size: <u>2 + 7/8</u>	Tubing Setting Depth: <u>7189</u>	Tbg setting date: <u>04/08/2013</u>	Packer Depth: <u>6994</u>		
Reason for Non-Production: All water, no oil					
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: MARMATON Status: SHUT IN Treatment Type: ACID JOB
Treatment Date: 11/28/2012 End Date: 05/07/2012 Date of First Production this formation: _____
Perforations Top: 7396 Bottom: 7440 No. Holes: 64 Hole size: 52/100
Provide a brief summary of the formation treatment: _____ Open Hole: ☐

Acidize 7,432 - 7,440 with 800 gal 15% HCL on 11/28/12
Treated 7,432 - 7,440 with 110 bbls 2% KCL with demulsifer on 11/29/12
Acidize 7,396 - 7,406 with 83 bbls 2% KCL water and 1,000 gals 15% HCL on 12/1/12
Treated 7,396 - 7,406 with 165 gal PAS 17, 165 gal Iron-out, 835 gal water, 3 gal KCL-8K, 5 gal PS-200 and 2 gal S-262 on 5/6/13
Acidize 7,396 - 7,406 with 1,000 gal 28% HCL, 22 gal AS-290, 3 gal FeNo, 2 gal Fe Green, 5 gal AC-307, 5 gal AI-150, 10 gal PS-200 and 2 gal S-262 on 5/7/13

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

Total fluid used in treatment (bbl): <u>436</u>	Max pressure during treatment (psi): <u>1800</u>
Total gas used in treatment (mcf): <u>0</u>	Fluid density at initial fracture (lbs/gal): <u>0.00</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.00</u>
Total acid used in treatment (bbl): <u>94</u>	Number of staged intervals: <u>0</u>
Recycled water used in treatment (bbl): <u>342</u>	Flowback volume recovered (bbl): <u>576</u>
Fresh water used in treatment (bbl): <u>0</u>	Disposition method for flowback: <u>RECYCLE</u>
Total proppant used (lbs): <u>0</u>	Rule 805 green completion techniques were utilized: <input type="checkbox"/>
Reason why green completion not utilized: <u>PIPELINE</u>	

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: <u>05/08/2013</u>	Hours: <u>6</u>	Bbl oil: <u>0</u>	Mcf Gas: <u>0</u>	Bbl H2O: <u>143</u>
Calculated 24 hour rate:	Bbl oil: <u>0</u>	Mcf Gas: <u>0</u>	Bbl H2O: <u>237</u>	GOR: <u>0</u>
Test Method: <u>Pumping</u>	Casing PSI: <u>10</u>	Tubing PSI: <u>10</u>	Choke Size: _____	
Gas Disposition: _____	Gas Type: _____	Btu Gas: <u>0</u>	API Gravity Oil: <u>0</u>	
Tubing Size: <u>2 + 7/8</u>	Tubing Setting Depth: <u>7384</u>	Tbg setting date: <u>05/03/2013</u>	Packer Depth: <u>7377</u>	

Reason for Non-Production: All water, no oil.

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: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: _____

Perforations Top: 8226 Bottom: 8280 No. Holes: 184 Hole size: 52/100

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

No treatment completed on this formation.

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: 2 + 7/8 Tubing Setting Depth: 8091 Tbg setting date: 07/10/2013 Packer Depth: 8203

Reason for Non-Production: _____

Date formation Abandoned: 07/10/2013 Squeeze: ☐ Yes ☒ No If yes, number of sacks cmt _____

** Bridge Plug Depth: 8100 ** 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: Mindy Obando

Title: Accounting Manager Date: 8/7/2013 Email: mindyjoobando@nighthawkenenergy.com

Attachment Check List

Att Doc Num	Name
400453313	FORM 5A SUBMITTED
400453328	WIRELINE JOB SUMMARY
400453329	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)