

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:
400912606

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: <u>10399</u>	4. Contact Name: <u>Joyce Henkin</u>
2. Name of Operator: <u>NIGHTHAWK PRODUCTION LLC</u>	Phone: <u>(303) 407-9609</u>
3. Address: <u>1805 SHEA CENTER DR #290</u>	Fax: <u>(303) 407-8790</u>
City: <u>HIGHLANDS</u> State: <u>CO</u> Zip: <u>80129</u>	Email: <u>joycehenkin@nighthawkenergy.com</u>

5. API Number <u>05-073-06695-00</u>	6. County: <u>LINCOLN</u>
7. Well Name: <u>CRESTED BUTTE</u>	Well Number: <u>2-14</u>
8. Location: QtrQtr: <u>NWNE</u> Section: <u>14</u> Township: <u>6S</u> Range: <u>54W</u> Meridian: <u>6</u>	
9. Field Name: <u>ARIKAREE CREEK</u> Field Code: <u>2914</u>	

Completed Interval

FORMATION: MARMATON Status: PRODUCING Treatment Type: ACID JOB

Treatment Date: 10/05/2015 End Date: 11/06/2015 Date of First Production this formation: 11/19/2015

Perforations Top: 7133 Bottom: 7367 No. Holes: 230 Hole size: 45/100

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

Acidized with 12 bbls of 15% HCl containing 12 gallons of RAS-92 (anti-sludge, demulsifier) 2 gallons of iron control, 1 gallon scale inhibitor & 2.5 gallons of corrosion inhibitor.
 Displaced with 43 bbls of 2% KCl water

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 55 Max pressure during treatment (psi): 2300

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): _____ Flowback volume recovered (bbl): 87

Fresh water used in treatment (bbl): 43 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: 11/20/2015 Hours: 24 Bbl oil: 13 Mcf Gas: 0 Bbl H2O: 44

Calculated 24 hour rate: Bbl oil: 13 Mcf Gas: 0 Bbl H2O: 44 GOR: 0

Test Method: Pumping Casing PSI: 0 Tubing PSI: 70 Choke Size: _____

Gas Disposition: _____ Gas Type: _____ Btu Gas: 0 API Gravity Oil: 36

Tubing Size: 2 + 7/8 Tubing Setting Depth: 8143 Tbg setting date: 11/05/2015 Packer Depth: 7200

Reason for Non-Production: Squeezed 7,133-7,146-Based on calculated volumes and measured volumes pumped cement never reached perforations. Drilled out cement on 10/13/15. Re-perfed on 10/20/15 & 10/26/15. Squeezed again on 10/20/15 & 10/27/15. Pressure held.

Date formation Abandoned: _____ Squeeze: Yes No If yes, number of sacks cmt 115

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

FORMATION: ST LOUIS Status: PRODUCING Treatment Type: ACID JOB

Treatment Date: 09/25/2015 End Date: 09/30/2015 Date of First Production this formation: 11/19/2015

Perforations Top: 8058 Bottom: 8077 No. Holes: 114 Hole size: 45/100

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

Acidized with 2,100 gallons of 15% HCl containing 60 gals of RAS-10(non emulsifier, anti sludge) 8 gallons of iron control, 10 gallons of corrosion inhibitor, 4 gallons of scale inhibitor and 1 gallon of biocide. Displaced with 50 bbls of 2% KCL water

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 100 Max pressure during treatment (psi): 700

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): 50 Number of staged intervals: _____

Recycled water used in treatment (bbl): _____ Flowback volume recovered (bbl): 54

Fresh water used in treatment (bbl): 50 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: _____ 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: 8143 Tbg setting date: 11/05/2015 Packer Depth: 7200

Reason for Non-Production: Daily test values are inputted on the Marmaton tab

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:

Test information in the Marmaton panel is a comingled results of Marmaton & St Louis. Per our discussion Charles it was decided to populate one and state so.
1st production 11/19/15 for both formations

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

<u>Att Doc Num</u>	<u>Name</u>
400938584	WIRELINE JOB SUMMARY
400938587	OPERATIONS SUMMARY
400938589	WIRELINE JOB SUMMARY
400938592	OPERATIONS SUMMARY
400938593	WIRELINE JOB SUMMARY
400938594	WIRELINE JOB SUMMARY
400938595	WIRELINE JOB SUMMARY
400938602	WIRELINE JOB SUMMARY
400938604	CEMENT JOB SUMMARY
400938702	CEMENT JOB SUMMARY
400948172	CEMENT JOB SUMMARY
400951778	WELLBORE DIAGRAM

Total Attach: 12 Files

General Comments

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

Total: 0 comment(s)