

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: 400665459 Date Received: 06/08/2015

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, reoperation 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: 10422 2. Name of Operator: PRONGHORN OPERATING LLC 3. Address: 8400 E PRENTICE AVENUE #1000 City: GREENWOOD State: CO Zip: 80111 4. Contact Name: Jake Flora Phone: (720) 988-5375 Fax: Email: jakeflora@kfrcorp.com

5. API Number 05-017-07449-00 6. County: CHEYENNE 7. Well Name: Hanavan Well Number: 15-1 8. Location: QtrQtr: SWSE Section: 15 Township: 13S Range: 44W Meridian: 6 9. Field Name: LADYBUG Field Code: 47685

Completed Interval

FORMATION: FORT SCOTT Status: PRODUCING Treatment Type: ACID JOB

Treatment Date: End Date: Date of First Production this formation: 03/18/2015 Perforations Top: 4815 Bottom: 4819 No. Holes: 16 Hole size: 1/2

Provide a brief summary of the formation treatment: Open Hole: 500 gal 15% HCL

This formation is commingled with another formation: Yes No Total fluid used in treatment (bbl): 41 Max pressure during treatment (psi): 200 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): 0 Flowback volume recovered (bbl): 51 Fresh water used in treatment (bbl): 29 Disposition method for flowback: DISPOSAL Total proppant used (lbs): 0 Rule 805 green completion techniques were utilized: Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 03/17/2015 Hours: 24 Bbl oil: 3 Mcf Gas: 0 Bbl H2O: 33 Calculated 24 hour rate: Bbl oil: 3 Mcf Gas: 0 Bbl H2O: 33 GOR: 0 Test Method: pump Casing PSI: 0 Tubing PSI: 0 Choke Size: Gas Disposition: Gas Type: Btu Gas: 0 API Gravity Oil: 38 Tubing Size: 2 + 7/8 Tubing Setting Depth: 4861 Tbg setting date: 05/13/2014 Packer Depth: 4758

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: ST LOUIS Status: TEMPORARILY ABANDONED Treatment Type: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: \_\_\_\_\_

Perforations Top: 5346 Bottom: 5362 No. Holes: 64 Hole size: 01/2

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

No stimulation was required.

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: 05/08/2014 Hours: 10 Bbl oil: 10 Mcf Gas: 0 Bbl H2O: 100

Calculated 24 hour rate: Bbl oil: 15 Mcf Gas: 0 Bbl H2O: 150 GOR: 0

Test Method: swab Casing PSI: 0 Tubing PSI: 0 Choke Size: \_\_\_\_\_

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

Tubing Size: 2 + 7/8 Tubing Setting Depth: 5310 Tbg setting date: 05/07/2014 Packer Depth: 5310

Reason for Non-Production: oil rate sub economic given water hauling cost

Date formation Abandoned: 05/13/2014 Squeeze:  Yes  No If yes, number of sacks cmt \_\_\_\_\_

\*\* Bridge Plug Depth: 5330 \*\* Sacks cement on top: \_\_\_\_\_ \*\* 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: Jake Flora

Title: Petroleum Engineer Date: 6/8/2015 Email jakeflora@kfrcorp.com

**Attachment Check List**

Att Doc Num	Name
400665459	FORM 5A SUBMITTED
400849879	WIRELINE JOB SUMMARY

Total Attach: 2 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	<p>Per operator:</p> <ol style="list-style-type: none"><li>1) St Louis plugged 5/13/2014</li><li>2) I agree St Louis should be TA since no cement over it</li><li>3) 16 perfs in Ft Scott. 4 shots/ft x 4 ft</li><li>4) We took a chance and put a pump on it, will likely PA/TA in next few months. For now actively producing, please remove sub economic text.</li></ol> <p>All above changes have been input into form.</p>	5/9/2015 7:32:33 AM
Permit	<ol style="list-style-type: none"><li>1) Verify year on date St. Louis Formation abandoned (attached wireline ticket states 5/13/2014).</li><li>2) Should St. Louis Fm. be "TA" status, as formation is isolated by bridge plug with no reported cement on top?</li><li>3) No. Holes on Fort Scott Fm. listed as "16" on attached wireline ticket, not 12. Confirm.</li><li>4) Why is "sub economic" listed as reason for non-production on Fort Scott Fm. when formation is listed as producing?</li></ol>	5/8/2015 4:17:27 PM

Total: 2 comment(s)