

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



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Document Number:

400529736

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: 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 05-017-07751-00
 6. County: CHEYENNE
 7. Well Name: Nattie
 Well Number: 1
 8. Location: QtrQtr: SESE Section: 6 Township: 14S Range: 44W Meridian: 6
 9. Field Name: CHEYENNE WELLS Field Code: 11050

Completed Interval

FORMATION: FORT SCOTT Status: DRY AND ABANDONED Treatment Type:

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

Perforations Top: 4812 Bottom: 4816 No. Holes: 16 Hole size: 01/2

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

No stimulation 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: 11/11/2013 Hours: 6 Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 100

Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 250 GOR: 0

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

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

Tubing Size: 2 + 7/8 Tubing Setting Depth: 4830 Tbg setting date: 11/11/2013 Packer Depth: 4763

Reason for Non-Production: Wet.

Date formation Abandoned: 11/20/2013 Squeeze: ☐ Yes ☒ No If yes, number of sacks cmt

** Bridge Plug Depth: 4800 ** Sacks cement on top: 2 ** Wireline and Cement Job Summary must be attached.

FORMATION: OSAGE Status: DRY AND ABANDONED Treatment Type: _____

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

Perforations Top: 5506 Bottom: 5510 No. Holes: 16 Hole size: 01/2

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

No Stimulation 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: 10/30/2013 Hours: 6 Bbl oil: 1 Mcf Gas: 0 Bbl H2O: 80

Calculated 24 hour rate: Bbl oil: 2 Mcf Gas: 0 Bbl H2O: 400 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: 5522 Tbg setting date: 10/30/2013 Packer Depth: 5485

Reason for Non-Production: Wet.

Date formation Abandoned: 10/31/2013 Squeeze: ☐ Yes ☒ No If yes, number of sacks cmt _____

** Bridge Plug Depth: 5500 ** Sacks cement on top: 2 ** Wireline and Cement Job Summary must be attached.

FORMATION: <u>SHAWNEE</u>		Status: <u>DRY AND ABANDONED</u>		Treatment Type: <u>ACID JOB</u>	
Treatment Date: <u>11/25/2013</u>		End Date: <u>12/18/2013</u>		Date of First Production this formation: _____	
Perforations	Top: <u>4148</u>	Bottom: <u>4208</u>	No. Holes: <u>40</u>	Hole size: <u>01/2</u>	

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

4148'-4154': no stimulation required. Tested 100% water.
 4165'-4168': 500 gal 15% HCL, 18 bbls freshwater flush, max treating pressure 300 psi. Wet, set CIBP at 4161'.
 4196'-4198': 500 gal 15% HCL, 18 bbls freshwater flush, max treating pressure 150 psi. Wet, set CIBP at 4185'.
 4200"-4208': 500 gal 15% HCL, 18 bbls freshwater flush, max treating pressure 200 psi. Wet, set CIBP at 4199'.

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

Total fluid used in treatment (bbl): <u>90</u>	Max pressure during treatment (psi): <u>300</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>36</u>	Number of staged intervals: _____
Recycled water used in treatment (bbl): <u>0</u>	Flowback volume recovered (bbl): <u>250</u>
Fresh water used in treatment (bbl): <u>54</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): _____	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>12/17/2013</u>	Hours: <u>8</u>	Bbl oil: <u>0</u>	Mcf Gas: <u>0</u>	Bbl H2O: <u>104</u>
Calculated 24 hour rate:	Bbl oil: <u>0</u>	Mcf Gas: <u>0</u>	Bbl H2O: <u>325</u>	GOR: <u>0</u>
Test Method: <u>swab</u>	Casing PSI: <u>0</u>	Tubing PSI: <u>0</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>4210</u>	Tbg setting date: <u>11/25/2013</u>	Packer Depth: <u>4130</u>	

Reason for Non-Production: All shawnee intervals tested 100% water. Proposed abandonment with CIBP to follow.

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>SPERGEN</u>		Status: <u>DRY AND ABANDONED</u>		Treatment Type: <u>ACID JOB</u>	
Treatment Date: <u>11/05/2013</u>		End Date: <u>11/05/2013</u>		Date of First Production this formation: _____	
Perforations	Top: <u>5401</u>	Bottom: <u>5406</u>	No. Holes: <u>20</u>	Hole size: <u>01/2</u>	
Provide a brief summary of the formation treatment:			Open Hole: <input type="checkbox"/>		
Pumped 500 gal 15% HCL					
This formation is commingled with another formation:			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Total fluid used in treatment (bbl): <u>43</u>		Max pressure during treatment (psi): <u>350</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>12</u>		Number of staged intervals: _____			
Recycled water used in treatment (bbl): <u>0</u>		Flowback volume recovered (bbl): <u>30</u>			
Fresh water used in treatment (bbl): <u>31</u>		Disposition method for flowback: <u>DISPOSAL</u>			
Total proppant used (lbs): _____		Rule 805 green completion techniques were utilized: <input type="checkbox"/>			
Reason why green completion not utilized: _____					
Fracture stimulations must be reported on FracFocus.org					
<u>Test Information:</u>					
Date: <u>11/05/2013</u>	Hours: <u>4</u>	Bbl oil: <u>0</u>	Mcf Gas: <u>0</u>	Bbl H2O: <u>30</u>	
Calculated 24 hour rate:	Bbl oil: <u>0</u>	Mcf Gas: <u>0</u>	Bbl H2O: <u>0</u>	GOR: <u>0</u>	
Test Method: <u>swab</u>	Casing PSI: <u>0</u>	Tubing PSI: <u>0</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>5389</u>	Tbg setting date: <u>11/05/2013</u>	Packer Depth: <u>5331</u>		
Reason for Non-Production: No inflow.					
Date formation Abandoned: <u>11/06/2013</u>	Squeeze: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, number of sacks cmt _____			
** Bridge Plug Depth: <u>5385</u>	** Sacks cement on top: <u>2</u>	** Wireline and Cement Job Summary must be attached.			

FORMATION: WARSAW Status: DRY AND ABANDONED Treatment Type: ACID JOB
Treatment Date: 10/31/2013 End Date: 10/31/2013 Date of First Production this formation: _____
Perforations Top: 5456 Bottom: 5460 No. Holes: 16 Hole size: 01/2
Provide a brief summary of the formation treatment: _____ Open Hole: ☐

Pumped 500 gal 15% HCL.

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

Total fluid used in treatment (bbl): 44

Max pressure during treatment (psi): 200

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): 12

Number of staged intervals: _____

Recycled water used in treatment (bbl): 0

Flowback volume recovered (bbl): 50

Fresh water used in treatment (bbl): 32

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: 10/31/2013 Hours: 5 Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 50

Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 100 GOR: 0

Test Method: swab Casing PSI: 0 Tubing PSI: 0 Choke Size: _____

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

Tubing Size: 2 + 7/8 Tubing Setting Depth: 5469 Tbg setting date: 10/31/2013 Packer Depth: 5400

Reason for Non-Production: Wet.

Date formation Abandoned: 11/04/2013 Squeeze: ☐ Yes ☒ No If yes, number of sacks cmt _____

** Bridge Plug Depth: 5448 ** 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: Jake Flora

Title: Petroleum Engineer Date: _____ Email jakeflora@kfrcorp.com

Attachment Check List

Att Doc Num	Name
400530273	WIRELINE JOB SUMMARY
400530278	WIRELINE JOB SUMMARY
400530288	WIRELINE JOB SUMMARY
400530308	WIRELINE JOB SUMMARY
400533968	WIRELINE JOB SUMMARY
400533969	WIRELINE JOB SUMMARY
400533970	WIRELINE JOB SUMMARY

Total Attach: 7 Files

General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)