

# KANSAS CORPORATION COMMISSION

## ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

**RECEIVED**  
**APR 22 2011**  
**KCC WICHITA**

Type Test:

(See Instructions on Reverse Side)

- Open Flow  
 Deliverability

Test Date:  
12/12/2010

API No. 15  
15-007-10041 - 0000

Company <b>WIND RIVER EXPLORATION, INC.</b>			Lease <b>R.L. NUCKOLLS</b>		Well Number <b>1</b>
County <b>BARBER</b>	Location <b>SW SW NE</b>	Section <b>30</b>	TWP <b>31S</b>	RNG (E/W) <b>11W</b>	Acres Attributed <b>80</b>
Field <b>WHELAN</b>		Reservoir <b>MISSISSIPPI / CHAT</b>	Gas Gathering Connection <b>ONEOK</b>		
Completion Date <b>03/28/1938</b>		Plug Back Total Depth <b>4312.12</b>	Packer Set at		
Casing Size <b>7"</b>	Weight <b>24#</b>	Internal Diameter	Set at <b>4293'</b>	Perforations <b>4293</b>	To <b>4314 (OPEN HOLE)</b>
Tubing Size <b>2 3/8"</b>	Weight	Internal Diameter <b>2.068</b>	Set at <b>4285.36</b>	Perforations	To
Type Completion (Describe) <b>OPEN HOLE</b>		Type Fluid Production <b>OIL / WATER</b>	Pump Unit or Traveling Plunger? Yes / No <b>PUMP UNIT</b>		
Producing Thru (Annulus / Tubing) <b>CASING</b>		% Carbon Dioxide <b>0.147</b>	% Nitrogen <b>2.990</b>	Gas Gravity - G <sub>g</sub> <b>0.7362</b>	
Vertical Depth(H) <b>4314</b>		Pressure Taps <b>FLANGE</b>		(Meter Run) (Prover) Size <b>METER RUN</b>	
Pressure Buildup: Shut in <b>12/12</b> 20 <b>10</b> at <b>7AM</b>		(AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)			
Well on Line: Started <b>12/13</b> 20 <b>10</b> at <b>7AM</b>		(AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)			

### OBSERVED SURFACE DATA

Duration of Shut-in **24** Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter Prover Pressure psig (P <sub>m</sub> )	Pressure Differential in Inches H <sub>2</sub> O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						105		0			
Flow						55		50			

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>o</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F <sub>g</sub>	Flowing Temperature Factor F <sub>t</sub>	Deviation Factor F <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>w</sub>

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ : (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ : P<sub>o</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ : (P<sub>o</sub>)<sup>2</sup> = 0.207 : (P<sub>o</sub>)<sup>2</sup> = \_\_\_\_\_

(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> or (P <sub>o</sub> ) <sup>2</sup> - (P <sub>c</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>o</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide by: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG [ ]	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)

Open Flow **115**

Mcfd @ 14.65 psia

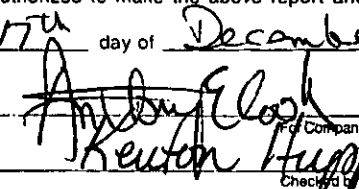
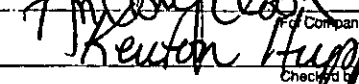
Deliverability **115**

Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 17th day of December, 2010.

\_\_\_\_\_  
Witness (if any)

\_\_\_\_\_  
For Commission

  
 \_\_\_\_\_  
 Company  
 \_\_\_\_\_  
 Checked by  


I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator WIND RIVER EXPLORATION, INC. and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.

I hereby request a one-year exemption from open flow testing for the R.L. NUCKOLLS #1 gas well on the grounds that said well:

(Check one)

- is a coalbed methane producer
- is cycled on plunger lift due to water
- is a source of natural gas for injection into an oil reservoir undergoing ER
- is on vacuum at the present time; KCC approval Docket No. \_\_\_\_\_
- is not capable of producing at a daily rate in excess of 250 mcf/D

I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.

Date: 12/17/2010

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Signature: Anthony Cook  
Title: President

**Instructions:** If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.



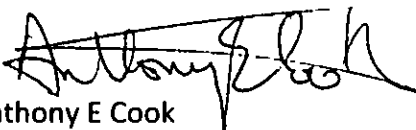
April 21, 2011

Mr. Jim Hemmen  
Kansas Corporation Commission  
Conservation Division  
Finney State Office Building  
130 S Market, Rm 2078  
Wichita, KS 67202-3802

Dear Mr. Hemmen:

Please find enclosed the 2010 exemption for RL Nuckolls 1-30 gas well. I believe that Mr. Kenton Hupp has already forwarded to you information concerning his finding for the discrepancy that existed on record as it has been filed over the years by Citation. We have corrected this information on the form G-2 and I submit it now for your review. I have also enclosed and highlighted a letter to me from Mr. Hupp concerning his findings on the historical submissions to the KCC for this well. Please let me know if there is anything else I can do for you.

Best wishes,

  
Anthony E Cook

AEC/kam

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A DIVISION OF IGWT, INC.

April 14, 2011

Wind River Exploration, Inc.  
Mr. Anthony Cook  
118 Parkview Lane  
Sewickley, PA 15143

Re: Nuckolls Lease  
30-31S-11W  
Barber County, Kansas

Dear Mr. Cook:

At your request, I have reviewed the provided one point test information for the R.L. Nuckolls #1 lease as it was submitted to the Kansas Corporation Commission. After reviewing historical submissions by Citation, KCC library documents and various other KGS records, I have concluded that the primary reason for the denial by the KCC was that the records they were comparing too were for the wrong lease. This was due to the API number submitted by Wind River, and previously by Citation, was incorrect. The API number listed as 15-007-21440 is for a "Nuckolls A" lease operated by Petroleum Property Services, Inc located SE SE NE NE of 30-31S-11W. The correct API number for the Wind River operated "R.L. Nuckolls #1 is 15-007-10041. I also verified that this was the API number used on the Request for Change of Operator filed September 2010. Jim Hemmen of the KCC informed me that while they previously did not check all API numbers for accuracy, the policy has since changed, thus the reason it was denied in 2011 when previously granted. I have recompleted the form using the correct API number, as well as making changes as necessary. A few of these changes included the depth and perforation records. While reviewing the lease files, no mention of perforations was found. The depth was changed to reflect data in the lease file.

Your files were somewhat reorganized. The G2 was submitted to the KCC for preliminary approval. You will need to sign both pages on the revised G2 enclosed and resubmit to the KCC. I have enclosed sales plots, a base map and various documents from public records. Also enclosed are wellbore diagrams built from your files. Based on the plots these wells should have a long life. There is no mention of past casing repairs. If repairs are needed, it should be possible. Casing leaks are certainly probable in wells that have been active from 1938.

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