

# KANSAS CORPORATION COMMISSION

## ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow  
 Deliverability

Test Date:

API No. 15

15-095-21396-0000

Company <b>Robert E. Campbell, Oil &amp; Gas Operations</b>			Lease <b>Albrecht</b>		Well Number <b>#3</b>
County <b>Kingman</b>	Location <b>SW NW NE</b>	Section <b>18</b>	TWP <b>29S</b>	RNG (E/W) <b>6W</b>	Acres Attributed <b>320</b>
Field <b>K-3</b>		Reservoir <b>Mississippi</b>	Gas Gathering Connection <b>West Wichita Gas Gathering, LLC</b>		
Completion Date <b>10/17/1984</b>		Plug Back Total Depth		Packer Set at <b>Sandfr'd 14' open hole</b>	
Casing Size <b>4-1/2"</b>	Weight <b>10.5#</b>	Internal Diameter	Set at <b>4,129'</b>	Perforations <b>4,129'</b>	To <b>4,143'</b>
Tubing Size <b>2-3/8"</b>	Weight <b>4.7#</b>	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) <b>Single (Gas + Oil)</b>		Type Fluid Production <b>Oil, Gas, Water</b>		Pump Unit or Traveling Plunger? Yes / No <b>Pump Unit</b>	
Producing Thru (Annulus / Tubing) <b>Both</b>		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	

Pressure Buildup: Shut in 05/09 20 11 at 10:15AM (AM) (PM) Taken 05/09 20 11 at 10:15AM (AM) (PM)  
Well on Line: Started 05/10 20 11 at 10:15AM (AM) (PM) Taken 05/10 20 11 at 10:15AM (AM) (PM)

### OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Grade one: Meter Prover Pressure psig (Pm)	Pressure Differential in inches H <sub>2</sub> O	Flowing Temperature †	Well Head Temperature †	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>2</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>2</sub> )		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						0#	0#	110#	220#	24	
Flow											

### FLOW STREAM ATTRIBUTES

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

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

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

Open Flow Mcfd @ 14.65 psia      Deliverability      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 24 day of June, 20 11.

Witness (if any)

For Commission

*Robert E. Campbell*  
RECEIVED  
For Company

Checked by

JUN 27 2011

KCC WICHITA

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 Robert E. Campbell,  
Oil & Gas Operations  
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 Albrecht #3  
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: 06/24/11

Signature:   
Title: Operator

**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.

ROBERT E. CAMPBELL  
OIL & GAS OPERATIONS  
260 N. ROCK ROAD • SUITE 110  
WICHITA, KANSAS 67206  
(316) 685-6001

June 24, 2011

Kansas Corporation Commission  
Conservation Division  
120 S. Market Street, Room 2078  
Wichita, KS 67202-3802

Attn: Jim Hemmen  
Research Analyst – Production Dept.

Re: Albrecht #3  
SW NW NE Sec. 18-29S-6W  
Kingman County, KS

Dear Mr. Hemmen:

First, I want to thank you for taking the time to visit with my secretary, Joyce, and citing/clarifying other reasons why our Albrecht #3 gas well could be out of compliance even though it meets the technical qualification of averaging less than 250 mcf per day. That was certainly my understanding and interpretation of the form (G-2) we are required to use.

As to the missing information (open hole interval) the answer is that it was an "open hole completion" i.e. we drilled to a total depth of 4,143' then ran our 4-1/2" casing to a depth of 4,129', leaving 14' of open hole. In hind sight and after reviewing our previously submitted form, if I had just entered the additional figure 14' in the space labeled "Type Completion" I would have saved both of us a lot of trouble it appears. My apologies for that. I did notice the space labeled "Plug Back Total Depth". But of course technically there were no plugs or perforations involved in our completion so I reasoned it was not really applicable to this hole. In our completion we first drilled out the shoe, ran tubing, circulated to clean out the 14' of open hole, acidized and frac'd and then swabbed the well to the point it began to flow on its own. Wa la! Our open hole completion proved successful. Our Albrecht #3 remains a single gas, one pay zone well that is now almost 28 years old.

Hopefully this letter now answers any deficiencies remaining in our previously submitted G-2 form. We apologize for any additional trouble that we may have caused you and your staff.

Respectfully,

  
Robert E. Campbell

REC:jb  
Encl.

RECEIVED  
JUN 27 2011  
KCC WICHITA