

# KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow  
 Deliverability

Test Date:  
6/19/2011

API No. 15  
15-185-20455 - 0000

Company John O. Farmer, Inc.		Lease Ackerman		Well Number 1	
County Stafford	Location C SE SE	Section 19	TWP 24S	RNG (E/W) 15W	Acres Attributed 640
Field Farmington		Reservoir Kinderhook		Gas Gathering Connection NNG	
Completion Date 1973		Plug Back Total Depth 2457		Packer Set at none	
Casing Size 5.500	Weight 15.500	Internal Diameter 4.995	Set at 4454	Perforations 4193	To 4198
Tubing Size 2.375	Weight 4.700	Internal Diameter 1.995	Set at 4180	Perforations	To
Type Completion (Describe) single		Type Fluid Production water		Pump Unit or Traveling Plunger? Yes / No pumping unit	
Producing Thru (Annulus / Tubing) annulus		% Carbon Dioxide 0.148		% Nitrogen 3.869	
Vertical Depth(H) 4195		Pressure Taps pipe		(Meter Run) (Prover) Size 3.067	
Pressure Buildup: Shut in June 19 20 11 at 9:00 (AM) (PM)		Taken June 19 20 11 at 9:00 (AM) (PM)			
Well on Line: Started June 20 20 11 at 9:00 (AM) (PM)		Taken June 20 20 11 at 9:00 (AM) (PM)			

### OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter Prover Pressure psig (Pm)	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>e</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>e</sub> )		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in	3/8"	Meter				131.25		0.00		24	
Flow											

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>b</sub> ) (F <sub>s</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>tt</sub>	Deviation Factor F <sub>pv</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> = 0.207  
(P<sub>o</sub>)<sup>2</sup> = \_\_\_\_\_

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

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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 1st day of July, 20 11.

\_\_\_\_\_  
Witness (if any)  
  
\_\_\_\_\_  
For Commission

*John O. Farmer III*  
\_\_\_\_\_  
For Company  
  
\_\_\_\_\_  
Checked by

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 John O. Farmer, 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 Ackerman 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: 7/1/11

Signature: John O. Farmer III  
Title: President

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**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.

**JOHN O. FARMER, INC.**

*OIL PRODUCERS AND OPERATORS*

370 West Wichita Avenue  
P.O. Box 352  
Russell, KS 67665

785-483-3144  
(FAX) 785-483-6020

June 30, 2011

Mr. Jim Hemmen  
Kansas Corporation Commission  
Finney State Office Building  
130 South Market, Room 2125  
Wichita, KS 67202

RE: One-Point Test (Ackerman #1)

Dear Jim:

Enclosed is the annual One-Point Test on our Ackerman #1 gas well in Stafford County.

Sincerely,

John O. Farmer, Inc.



Trisha K. Von Lintel  
Geologist/Land

Enclosure

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