

KANSAS CORPORATION COMMISSION

(ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST)

(See Instructions on Reverse Side)

Type Test:

- Open Flow
 Deliverability

Test Date:
11-19-2013

API No. 15
15-047-20730-0000

Company Thomas Garner Inc.		Lease Fatzer		Well Number 1	
County Edwards	Location sw-nw	Section 25	TWP 25S	IRNG ((EAW) 17W	Acres Attributed 260
Field Wil		Reservoir Cherokee		Gas Gathering Connection Oneok	
Completion Date 6-28-1981		Plug Back Total Depth 4536		Packer Set at N/A	
Casing Size 4.5	Weight 10.5	Internal Diameter 4.052	Set at 4560	Perforations 4457-64	To
Tubing Size 2.375	Weight 4.7	Internal Diameter 1.995	Set at 4490	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		% Nitrogen	
Vertical Depth (ft)		Pressure Taps		(Meter Run) (Packer) Size	
Pressure Buildup: Shut in 11-18-20 13 at 10:00 (AM) (PM)		Taken 11-19-20 13 at 10:00 (AM) (PM)			
Well on Line: Started 220 at (AM) (PM)		Taken 220 at (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 ₂ O	Flowing Temperature (t)	Well Head Temperature (t)	Casing Wellhead Pressure ((P _w) or (P _c) or (P _e))		Tubing Wellhead Pressure ((P _w) or (P _t) or (P _e))		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						37		0		24	0
Flow						92		0			

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _d) (F _p) (Mcfd)	Circle one: Meter or Prover Pressure (psia)	Press Extension $\sqrt{P_m \times h}$	Gravity Factor (F _g)	Flowing Temperature (Factor) (F _t)	Deviation (Factor) (F _{pv})	Metered Flow (R) (Mcfd)	GOR (Cubic Feet / Barrel)	Flowing Fluid Gravity (G _m)

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_o)² = 0.207

(P _o) ² = _____	(P _w) ² = _____	(P _a) = _____ %	((P _e - 14.4) + 14.4 = _____)	(P _o) ² = _____			
$(P_o)^2 - (P_w)^2$ or $(P_o)^2 - (P_a)^2$	$(P_o)^2 - (P_w)^2$	Choose formula 1 or 2: 1. $P_o^2 - P_a^2$ 2. $P_o^2 - P_d^2$ divided by: $P_o^2 - P_w^2$	LOG of formula 1, or 2, and divide by: $P_o^2 - P_w^2$	Backpressure Curve Slope = "n" 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 20 day of August, 20 14.

Witness (if any)

For Company

Received
KANSAS CORPORATION COMMISSION

For Commission

Checked by

AUG 21 2014

CONSERVATION DIVISION
WICHITA, KS

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 Thomas Garner 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.

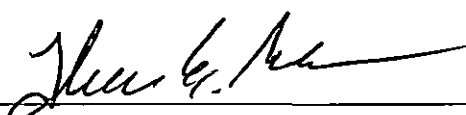
I hereby request a one-year exemption from open flow testing for the Fatzer #1 gas well on the grounds that said well:

((Check one))

- is a coal bed methane producer
- is cycled on plunger lift due to water
- is a source of natural gas for injection into an oil reservoir undergoing IER
- 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: 8-20-14

Signature: 

Title: Owner 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. RECEIVED
KANSAS CORPORATION COMMISSION

AUG 21 2014
CONSERVATION DIVISION
WICHITA, KS