

# KANSAS CORPORATION COMMISSION

## ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow  
 Deliverability

Test Date:  
12/18/2014

API No. 15  
15-189-22470-0000

(See Instructions on Reverse Side)

Company Wynn-Crosby Operating, Ltd.		Lease Hamilton		Well Number A-2	
County Stevens	Location 1800 FSL & 330 FWL	Section 10	TWP 35	RNG (E/W) 38	Acres Attributed 640
Field Mouser		Reservoir Upper Morrow C		Gas Gathering Connection AGC	
Completion Date 05/04/04		Plug Back Total Depth 6190		Packer Set at N/A	
Casing Size 5.5	Weight 15.5	Internal Diameter 4.95	Set at 6680	Perforations 6044	To 6054
Tubing Size 2.375	Weight 4.7	Internal Diameter 1.995	Set at 6013	Perforations N/A	To N/A
Type Completion (Describe) Single Gas		Type Fluid Production Condensate & Water		Pump Unit or Traveling Plunger? Yes / No Yes	
Producing Thru (Annulus / Tubing) Tubing		% Carbon Dioxide 0.349		% Nitrogen 7.383	
Vertical Depth(H) 6049		Pressure Taps Flange		(Meter Run) (Prover) Size 3"	
Pressure Buildup: Shut in 10/05 20 14 at 7 am (AM) (PM) Taken 10/06 20 14 at 7 am (AM) (PM)					
Well on Line: Started _____ 20 _____ at _____ (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 or 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>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						5	5	PU	PU	24	
Flow											

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>b</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>m</sub>

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>3</sub>)<sup>2</sup> = 0.207  
(P<sub>0</sub>)<sup>2</sup> = \_\_\_\_\_

(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ : (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ : P<sub>0</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ :

$(P_c)^2 - (P_s)^2$ or $(P_o)^2 - (P_s)^2$	$(P_o)^2 - (P_w)^2$	Choose formula 1 or 2: 1. $P_c^2 - P_s^2$ 2. $P_o^2 - P_s^2$ divided by: $P_o^2 - P_w^2$	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

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 \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_.

**KCC WICHITA**

AUG 24 2015  
8-24-2015  
RECEIVED

Witness (if any)

For Company

For Commission

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 Wynn-Crosby Operating, Ltd. 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.

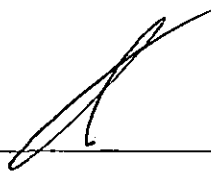
I hereby request a one-year exemption from open flow testing for the Hamilton A-2 gas well on the grounds that said well:

(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: 8/16/15

Signature:  \_\_\_\_\_  
Title: Regulatory Director

**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.



14241 Dallas Parkway, Suite 800 • Dallas, TX 75254 • T 972.380.5500 • F 972.380.9570

Thursday, August 20, 2015

Kansas Corporation Commission  
Oil & Gas Conservation Division  
266 N. Main St., Suite 220  
Wichita, Kansas 67202-1513

**RE: Form G-2 Report  
Hamilton A-2  
API #18922470  
Stevens County, Kansas**

To Whom It May Concern:

Please find enclosed an original and signed Form G-2, One Point Stabilized Open Flow or Deliverability Test, for the above referenced well.

The 2014 UC3 Report was mistakenly reported with no volumes due to data missing from our internal reporting system.

If you have any questions please do not hesitate to contact me directly at 972-354-1367 or by email at [jose.velez@wynncrosby.com](mailto:jose.velez@wynncrosby.com).

Regards,

A handwritten signature in black ink, appearing to read "Jose L. Velez".

Jose L. Velez  
Director of Regulatory Compliance  
& Environmental Affairs  
Wynn Crosby Operating, Ltd.  
[jose.velez@wynncrosby.com](mailto:jose.velez@wynncrosby.com)  
Office: 972-354-1367

**KCC WICHITA  
AUG 24 2015  
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