Form G-2 KANSAS CORPORATION COMMISSION RECEIVED ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST MAY 2 7 2011 (See Instructions on Reverse Side) Open Flow Test Date: **API No. 15** 075-20620-00-00KCC WICHITA Deliverability 3-3-/ Lease Horseshoe Operating, Inc. Doyle 2 Location RNG (E/W) Section TWP Acres Attributed **C NW/4** 21 238 41W 480 Gas Gathering Connection Reservoir Bradshaw Winfield **Oneok Field Services** Completion Date Packer Set at Plug Back Total Depth 2506 Internal Diameter Perforations Weight To Set at 4.052 2506 2476 2486 10.5 Weight Internal Diameter Perforations Set at 4.7 2.000 2484 Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? (Yes) / No Single - Gas Water Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G. Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size 'anae Pressure Buildup: Shut in (AM) (PM) Well on Line: Started 20. (AM) (PM) Taken 20 . __. at (AM) (PM) **OBSERVED SURFACE DATA Duration of Shut-in** Pressure Tubing -Orifice Flowing Well Head Mater Differential Wellhead Pressure Wellhead Pressure Duration Liquid Produced Size -Temperature Temperature Prover Pressure (Hours) ìn $(P_{\omega}) \propto (P_{i}) \propto (P_{s})$ (P,) or (P,) or (P,) (Barrels) (inches) t pšig (Pm) lniches H₂0 Dala DSiG. FLOW STREAM ATTRIBUTES Circle one: Flowing Flowing Press Gravity Deviation GOR Metered Flow Materor Extension Temperature Fluid Factor Factor (Cubic Feet/ R Prover Pressure F. Factor Gravity Pmkh F, (Mcfd) Barret) psla F, G, (OPEN FLOW) (DELIVERABILITY) CALCULATIONS $(P_a)^2 = 0.207$ (P_c - 14.4) + 14.4 = (P)2 = ose formula 1 or 2: Backpressure Curve Open Flow LOG of (P)*-(P)* 1. P. 2 - P. 2 Slope = "n" tormula 1. of 2. n x LOG Deliverability Antilog --- Of----2. P.z. P.* Equals R x Antilog Assigned P.2 - P.2 (Mcfd) dvided by: P 2 - P 2 Standard Slope Mctd @ 14.65 psia **Delive rability** Mcfd @ 14.65 psia

Type Test:

Company

County

Field

4.5

2.375

Static /

Dynamic

Property

Shut-In

Piate

Coefficcient

(F_b) (F_p) Mcfd

 $(P_{*})^{2} - (P_{*})^{2}$

(P_a)2 - (P_a)2

Open Flow

Hamilton

10/15/97

Casing Size

Tubing Size

The undersigned authority, on behalf of the Company, states that he is duly	
the facts stated therein, and that said report is true and correct. Executed this the	24 day of May 20 11
	Canice Ripley
Witness (if any)	For Company
Fat Commission	Checked by

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exempt status und and that the foreg correct to the best	er penalty of perjury under the laws of the state of Kansas that I am authorized to request the Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc. oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records
	llation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the
	ounds that said well:
	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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
	Signature:

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.