## Form G-2 (Rev 8/98)

KCC WICHITA

## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Test: 15-075-20232-000 20,232 Open Flow API No. Test Date: X Deliverability WHSIP Company Well Number Lease LINN OPERATING, INC. HCU 2030-B TWP RNG (E/W) County Location Section Acres Attributed **23S** 40W **HAMILTON** SE NW 20 Field Gas Gathering Connection Reservoir **BRADSHAW** Winfield Oneok Field Services Completion Date Plug Back Total Depth Packer Set at 6/5/79 2567' Casing Size Weight Internal Diameter Set at Perforations To 4.090" 9.50 2599' 4-1/2" 2517' 2523' Tubing Size Internal Diameter Weight Set at Perforations To 2-3/8" 4.7 1.995 2511' Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Yes / No Gas - Water Single Gas Pump Yes Producing Thru (Annulus/Tubing) %Carbon Dioxide % Nitrogen Gas Gravity - G. Annulus 0.782 Vertical Depth (H) Pressure Taps (Meter Run) (Prover) Size 2520' Flange 2.067" 11/3 \_11\_at \_\_2:00 20 11 at 2:00 (AM)(PM) 11/4 Pressure Buildup: Shut In Taken 20 (AM)(PM) Well on line: Started (AM)(PM) Taken (AM)(PM) at OBSERVED SURFACE DATA Duration of Shut-In 24.00 Circle one: Pressure Tubing Wellhead Pressure Static/ Orifice Meter or Differential Flowing Well Head Wellhead Pressure Liquid Produced Duration Dynamic Size Prover Pressure in (h) **Femperature** Temperature  $(P_W)$  or  $(P_1)$  or  $(P_C)$  $(P_W)$  or  $(P_1)$  or  $(P_C)$ (Hours) (Barrels) Inches Property psig Inches H<sub>2</sub>0 t t psig psia psig psia 33.0 47.4 Pump 24.00 Shut-In Flow **FLOW STREAM ATTRIBUTES** Flowing Plate Meter Press. Gravity Coefficient Pressure Extension Factor Temperature Deviation Metered Flow GOR Flowing  $\mathbf{F}_{\mathbf{g}}$ Factor Factor (Cubic Feet/  $(F_b)(Fp)$ psia Fluid Mcfd  $\sqrt{P_m \times H_w}$ Fft (Mcfd) Barrel) Gravity Fpv  $G_m$ (OPEN FLOW) (DELIVERABILITY) CALCULATIONS  $(P_a)^2 =$ 0.207 (P<sub>c</sub>)2=  $(P_d)^2$  $(P_c - 14.4) + 14.4 =$  $(P_c)^2 - (P_w)^2$ Backpressure Curve Open Flow  $(P_c)^2 - (P_a)^2$ LOG n x LOG Antilog Deliverability Slope = "n" Equals R x Antilog 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 Witness (if any) RECEIVED Checked by For Commission DEC 05 2011

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 LINN OPERATING, INC.
and that the foregoing information and statements contained in 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 HCU 2030-B
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: 11/7/2011
Signature: L. Herbaul
Title: Regulatory Specialist

## 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 obtain exempt status for the gas well.

At some point during the succeeding calendar year, wellhead shut-in pressure shall have been measued 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 from 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. it was a verified report of test results.