

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

Form G-2
(Rev 8/98)

Type Test:

- Open Flow
 Deliverability **WHSIP**

Test Date: 10/28/11

API No. 15-075-20052 -0000

Company		Lease			Well Number	
LINN OPERATING, INC.		HCU			0520	
County	Location	Section	TWP	RNG (E/W)	Acres Attributed	
HAMILTON	NE SW	5	22S	40W		
Field		Reservoir		Gas Gathering Connection		
BRADSHAW		Winfield		Oneok Field Services		
Completion Date		Plug Back Total Depth		Packer Set at		
3/11/73		2779'				
Casing Size	Weight	Internal Diameter	Set at	Perforations	To	
4-1/2"	9.50	4.090"	2779'	2744'	2756'	
Tubing Size	Weight	Internal Diameter	Set at	Perforations	To	
2-3/8"	4.7	1.995				
Type Completion (Describe)		Type Fluid Production		Pump Unit or Traveling Plunger?		Yes / No
Single Gas		Gas - Water		Pump		Yes
Producing Thru (Annulus/Tubing)		%Carbon Dioxide		% Nitrogen		Gas Gravity - G.
Annulus						.755
Vertical Depth (H)		Pressure Taps			(Meter Run) (Prover) Size	
2750'		Flange			2.067"	
Pressure Buildup:	Shut In	10/27	20 11 at	6:00 (AM)(PM)	Taken	10/28 20 11 at 6:00 (AM)(PM)
Well on line:	Started		20 at	(AM)(PM)	Taken	20 at (AM)(PM)

OBSERVED SURFACE DATA

Duration of Shut-In 24.0

Static/ Dynamic Property	Orifice Size Inches	Circle one: Meter or Prover Pressure psig	Pressure Differential in (h) Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						88.0	102.4	Pump		24.0	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b)(F _p) Mcf/d	Meter Pressure psia	Press. Extension $\sqrt{P_m \times H_w}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _v	Metered Flow R (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_e)² = _____ (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ (P_e)² = 0.207
 (P_e)² = _____ (P_w)² = _____ : (P_e)² = _____

(P _e) ² - (P _w) ²	(P _e) ² - (P _w) ²	$\frac{P_c^2 - P_s^2}{(P_e)^2 - (P_w)^2}$	LOG $\left[\frac{(P_e)^2 - (P_s)^2}{(P_e)^2 - (P_w)^2} \right]$	Backpressure Curve Slope = "n"	n x LOG $\left[\frac{(P_e)^2 - (P_s)^2}{(P_e)^2 - (P_w)^2} \right]$	Antilog	Open Flow Deliverability 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 31st day of October, 2011.

Witness (if any)

For Company

RECEIVED

For Commission

Checked by

DEC 01 2011
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 LINN OPERATING, 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.

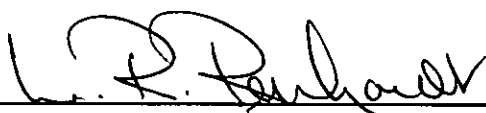
I hereby request a one-year exemption from open flow testing for the HCU 0520 gas well on the grounds that said well:

(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: 10/31/11

Signature: 

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 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 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.