KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			•		(See Ins	struct	ions on Re	verse Sid	e)					
Open	Flow				, =										
✓ Deliverabilty				Test Date 12/04/13	Test Date: 12/04/13					API No. 15 15-075-20060-00-00					
Company Linn Opera	ating In	ıc			12/04/10			Lease HCU			2.0200	1711	Well N	umber	
County Location Hamilton SE SE					Section 17			TWP 21S		RNG (E/W) 41W		Acres Attributed 640		Attributed	
Field Bradshaw					Reservoir Winfield					hering Conn Field Servic					
Completion Date 8/30/73				Plug Bac 2796'	k Total	Dept	1		Packer Set at						
Casing Size Weight .5 9.5				Internal Diameter 4.090			Set a 279		Perforations 2766'		то 2784'				
Tubing Size Weight 2 3/8 4.7				Internal Diameter 1.995			Set at 2791'		Perforations		То				
Type Completion (Describe) Single Gas				Type Flui Gas - V		uction	1	Pump Unit or Ti Pump		nit or Traveling	g Plunger? Yes	s / No es			
Producing Thru (Annulus / Tubing) Annulus				% C	arbon (Dioxid	de	% Nitrogen		en	Gas Gravity - G _g				
Vertical Dep 2799'	oth(H)						Press	sure Taps					r Run) (f	Prover) Size	
Pressure Bu	uildup:	Shut in 12	/03	2	13 _{at} 1				Taken_1	2/04	20	13 _{at} 11:00	λ Δ Δ	(AM) (PM)	
Well on Line												at		(AM) (PM)	
					1	OBSE	RVE	D SURFAC	E DATA			Duration of Shu	_{ut-in} _24	Hours	
Static / Orifice Dynamic Size Property (inches)		Circle one: Meter Prover Pressure		Pressure Differential in	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration Lie		iquid Produced (Barrels)	
Shut-In		psig (Pm)		Inches H₂0				psig 32	psia 46.4	Pump	psia	24			
Flow															
		•	,	· · ·		FLOW	STR	EAM ATTR	IBUTES						
Plate Coefficeient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Eutopolon		avity ictor		Tomnoraturo		viation Metered Flow actor R F _{pv} (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
						y									
								ERABILITY					$_{a})^{2} = 0.3$		
P _c) ² =	: T	(P _w) ² :		sse formula 1 or 2	P _d =		⁹		P _c - 14.4) +		:	(P	_d) ² =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. $P_c^2 - P_a^2$ LOG of formula 2. $P_c^2 - P_d^2$ 1. or 2. and divide by: $P_c^2 - P_w^2$		P _c ² -P _w ²		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x 10G		! Antiloa i		open Flow eliverability Is R x Antilog (Mcfd)	
					05 :				- 123				<u> </u>		
Open Flow	doraia-	ad authority		Mcfd @ 14.	·	totas 41	\a. L	Deliverat		io male !!	o ob	Mcfd @ 14.65 p		ulada C	
		ed authority, o						_		to make th		ort and that he h		wledge of 20 13	
		,		, is way	2330				SI	rans	-#	ilden	′	CC WIC	
		Witness	(if any	<i>(</i>)		1	_		<i></i>		For	Company			
		For Com	nissio	'n			_				Che	cked by		DEC 13 2	
•					· :									RECEI\	

	I declare under nancibulating index the laws of the atota of Kanasa that I are quitherized to require
	I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request mpt status under Rule K.A.R. 82-3-304 on behalf of the operator Linn Operating, Inc.
and corre	that the foregoing pressure information and statements contained on this application form are true and ect to the best of my knowledge and belief based upon available production summaries and lease records quipment 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 1711
	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 as necessary to corroborate this claim for exemption from testing.
Date	12/5/13
	Signature: Man Hierrer
	Title: Regulatory Compliance Advisor

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. signed and dated on the front side as though it was a verified report of annual test results.

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