Form G-2 (Rev 8/98)

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:					·										
	Open Flow				Test Date:	11/4	11/4/11				API No.	15-075-20477	7-000t		
X Deliverability WHSIP															
Company LINN OPERATING			3. INC.				Lease		HCU				Well Number 1820-B		
			Location	,		Section		TWP			RNG (E/	W)		Acres Attributed	
HAMILTON C				C N				<u>.</u>	228	· · · · · · · · · · · · · · · · · · ·		40W			
Field Reservoir BRADSHAW WINFIELD									,		Sathering Con	nection LD SERVICES			
Completion Date Plug Back Total Depth									-,- -,		r Set at	LD OLIVIOLO	·		
11/3/90 2820'															
Casing Size			Weight		Inte	rnal Diamete		Set at			Perforations				
4-1/2" Tubing Size			9.50			4.090"		Cot at	2854'		Doufountin		2703'	2807'	
Tubing Size Weight 2-3/8" 4.7					Internal Diameter 1.995				Set at 2730'			Perforations	To	•	
Type Com	pletio	n (Des	cribe)		Тур	e Fluid Prod	uction			<u></u>	Pump	Unit or Trave	ling Plunger?	Yes / No	
SINGLE GAS GAS - WATER								₹				PUMP		YES	
Producing Thru (Annulus/Tubing) %Carbon Dioxide % Nitrogen Gas Gravity - G. ANNULUS .7510															
Vertical De		H)					Pressur FLA	e Taps ANGE				k.	(Meter	Run) (Prover) Size 2.067"	
Pressure Buildup: Shut I			Shut In		11/3	20 <u>11</u> at <u>9:45</u>		(AM)(PM) Taken		Taken	11/-	4 20	11_at9:45		
Well on line:					20 at						20				
							OBSER	VED SU	RFACE	DATA			Duration of Shut		
			Circle on		Pressure				Cas	sing	Tubing				
Static/ Dynamic		ifice ize	Meter or Prover Pressure		Differential in (h)	Flowing Temperature	Well He				Wellhead Pressure (P _w) or (P ₁) or (P _C)		Duration (Hours)	Liquid Produced (Barrels)	
· .		nches psig			Inches H ₂ 0		t		osig psia		psig psia		(1.02.0)	(Barrelly)	
Shut-In	ut-In								85.0	99.4	pump		24.00		
Flow	low				·				:						
	FLOW STREAM ATTRIBUTES														
Plate			Meter		Press.	Gravity		Flowing							
Coefficient (F _b)(Fp)		Pressure psia		Extension		Factor F _g	Те	mperature Factor	•	Deviation Factor	Metered Flow R		GOR (Cubic Feet/	Flowing Fluid	
Mcfd		P 0.0		√P _m x H _w		g		Fft	F _{DV}		(Mcfd)		Barrel)	Gravity	
					:								·	G _m	
L				1		(OPEN FLC) OW) (DEI	LIVERAE	<u> </u> BILITY)	CALCULA	TIONS				
						•	, ,						(P _a) ²	= .	
(P _c) ² =		(P	(P _w) ² =		P _d =		%	(P _c	$(P_c - 14.4) + 14.4 =$		<u> </u>		$(P_d)^2 = $		
(P _c) ² - (P _a) ²		(P _c) ² - (P _w) ²		P _c ² - P _a ² (P _c) ² - (P _w) ²		Γ _{(P}	c) ² -(P _a) ²	Back	Backpressure Curve Slope = "n"			$(P_c)^2 - (P_a)^2$		Open Flow	
						LOG —					n x LOG $(P_c)^2 - (P_w)^2$		Antilog	Deliverability	
						(P.	_c) ² -(P _w) ²							Equals R x Antilog	
								<u> </u>				· · · · · · · · · · · · · · · · · · ·			
							 				<u>.</u>			· · · · · · · · · · · · · · · · · · ·	
Open Flow Mcfd @ 14.65 psia						Deliver	Deliverability Mcfd @ 14.65 psia								
The ur	ndersi	gned a	authority, o	n beha	alf of the Cor	npany, states	s that he	is duly a	uthorize	ed to make	the above	report and th	at he has knowl	edge of the facts	
stated there	ein, a	nd tha	t said repo	rt is tr	ue and corre	ct. Executed	I this the		7th	day of	Noven	nber	· ·	<u>2011</u>	
									1- Helaur						
Witness (if any)												ForComp		CEIVED	
		· ·	For (Commi	ssion						<u> </u>	Checked	by	` [5 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 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 1820-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									
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:	K. Muhanel								
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.