RECEIVED

## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test				•	(	See Instruc	tions on Rev	verse Side	e)					
Op	en Flow				Tool Date				A D L A	No. 45				
✓ Deliverabilty					Test Date 11/21/1			, API No. 15 15-075-20766			-00-00			
Company Linn Ope		Inc	,				Lease HCU				2531-	Well Number B	,	
County Location Hamilton SE NW NE					Section 25				RNG (E/W) 41W			Acres Attributed 640		
Field Bradshaw				-	Reservoi Chase	r.				ring Connection eld Services				
Completion Date 10/23/01					Plug Bac 2570`	k Total Dep	th	h Packer Set		et at				
Casing Si 4.5	Casing Size Weight 1.5 10.5				Internal Diameter 4.052		Set at <b>2620</b>		Perforations 2470		то 2486			
Tubing Size Weight 2 3/8 4.7					Internal I 1.995	Diameter	Set at 2526		Perforations		То			
Type Completion (Describe)  Single Gas  Gas - W										Pump Unit or Traveling Plunger? Yes Pump Ye			/ No	
Producing Annulus		Annulus	: / Tubing)		% C	Carbon Diox	ide	•	% Nitroge	en	Gas G	ravity - G <sub>g</sub>		
Vertical Depth(H)						Pressure Taps						Run) (Prover)	) Size	
2478						Flan		le ·		<u> </u>		2.068"		
Pressure	Buildup	: Shut	in11/20	•	0_13_at_1					20		(AM) (	(PM)	
Well on Li	ne:	Start	ed	2	0 at		(AM) (PM)	Taken		20	at	(AM) (	(PM)	
<del></del>					-	OBSERVE	D SURFACE	E DATA			Duration of Shut	_in_24	_Hours	
Static / Dynamic Property	amic Size		Circle one: Meter ver Pressure usig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	Liquid Prod (Barrels	- 1	
Shut-In								35.4	Pump	, psia	24	1		
Flow							,		,					
						FLOW STF	REAM ATTRI	BUTES						
Plate Coefficeient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure psia		Press Extension ✓ P <sub>m</sub> xh	Extension Fact		Flowing Temperature Factor F <sub>tt</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	eet/ Gr	owing luid avity G <sub>m</sub>	
•		•												
	•				•	• •	ERABILITY)			`.		) <sup>2</sup> = 0.207		
(P <sub>c</sub> ) <sup>2</sup> =		<u>:                                      </u>	(P <sub>w</sub> ) <sup>2</sup> =	oose formula 1 or 2	P <sub>a</sub> =		% (P	' <sub>c</sub> - 14.4) +	14.4 =	:	(P <sub>d</sub> )	) <sup>2</sup> =		
$(P_c)^2 - (P_a)^2$ . (1)		(P <sub>c</sub> ) <sup>2</sup> - 1	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> 2. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> divided by: P <sub>c</sub> <sup>2</sup> -		LOG of formula 1. or 2. and divide p2_p2		Backpressure Curve Slope = "n" or		n x LOG		' Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
•														
											•			
Open Flov	v			Mcfd @ 14.	65 psia		Deliverabi	ility		·····························	Mcfd @ 14.65 ps	ia		
The u	ndersig	ned aut	hority, on b	pehalf of the	Company, s	states that h	e is duly au	thorized to	o make the	above repo	rt and that he ha	as knowledge	of	
he facts st	ated the	erein, ar	nd that said	report is true	and correc	t. Executed	this the 2n	nd .	day of De	ecember		, 20	<u>3</u> .	
								Sh	dru	_ +1-	risku	<del>/</del>		
			Witness (if an	ny)	-					For C	Company	KCC	WICH	
			For Commissi	ion			· —			Chec	ked by	חריף	1 2 201	
												1 190 1		

	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Linn Operating, Inc.
and that the fo	pregoing pressure information and statements contained on this application form are true and
correct to the b	pest of my knowledge and belief based upon available production summaries and lease records
of equipment i	nstallation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby re	quest a one-year exemption from open flow testing for the HCU 2531-B
	e grounds that said well:
(Ch	eck 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
Ĺ	✓ is not capable of producing at a daily rate in excess of 250 mcf/D
I further a	gree to supply to the best of my ability any and all supporting documents deemed by Commissio
	sary to corroborate this claim for exemption from testing.
stan ao nooco	ary to correspond this diam for exemption from testing.
Date: 121	0/12
Date: /	
•	
	Signature: Sham Hushum
	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.

KCC WICHITA
DEC 13 2013