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

Type Test	:					. (	See Ins	struct	ions on Re	verse Side	e)					
Op	en Flo	w				Toot Date			•			I Na 1	E	•		
✓ Deliverabilty					Test Date: 11/21/13					API No. 15 15-075-20479-00-0						
Company Linn Operating Inc								Lease HCU		31			Well Number			
County Location Hamilton SE					Section 31			TWP 22S		RNG (E/W) 40W		Acres A 640		Attributed		
Field Bradshaw					Reservoir Chase (Winfield)					Gas Gathering Connection Oneok Field Services						
Completion Date					Plug Bac 2675	k Total	Dept	h	Packer Set		Set at					
Casing Si	asing Size Weight					Internal Diameter			Set a 272	Perforations 2570		To 2590				
	ubing Size Weight				Internal Diameter			Set 8	Perforations			То	···			
Type Completion (Describe) Single Gas					Type Flui	Type Fluid Production Gas - Water				Pump Unit or Traveling Plunger? Yes / No Pump						
Producing Thru (Annulus / Tubing)							% Carbon Dioxide				% Nitrogen Gas Gravity - G <sub>g</sub>				G <sub>g</sub>	
Annulus Vertical D		4)				·		Press	sure Taps					.765 (Meter I	Run) (I	Prover) Size
2580	>F.1.1/1	-,						lan	-					2		s.c., oico
Pressure	Buildu	p: _	Şhut in	/20	20	13 at 1	1:00 A	M	(AM) (PM)	Taken 1	1/21		20	13 at 11:00 A	AM	(AM) (PM)
Well on L	ine:		Started		20	0 at			(AM) (PM)	Taken			20	at		(AM) (PM)
							OBSE	RVE	D SURFAC	E DATA				Duration of Shut-	in _24	Hours
Static / Dynamic Property		ifice			Pressure Differential in	Flowing Temperature t	Well H Temper	ature	Wellhead	Casing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$		Tubing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$		Duration . (Hours)		aid Produced (Barrels)
Shut-In		-	psig (Pm)		Inches H <sub>2</sub> 0				psig 4	psia 18.4	Pump		psia	24		
Flow	•					···		, ,			_					
					II				EAM ATTR	IBUTES					<u> </u>	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension ✓ P <sub>m</sub> x h	Extension Fac		Flowing Temperature Factor F <sub>1</sub>		Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>
						(OPEN FL	OW) (D	ELIV	ERABILITY	) CALCUI	ATIONS	l		(D.)	2 0	207
(P <sub>c</sub> ) <sup>2</sup> =		_:_	(P <sub>w</sub> ) <sup>2</sup> =	=	<u> </u>	P <sub>d</sub> =			% (F	P <sub>c</sub> - 14.4) +	+ 14.4 =		:	(P <sub>a</sub> )	2 = 0. 2 =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>			hoose formula 1 or 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 <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x l OG			Antilog Ec		Open Flow eliverability Is R x Antilog (Mcfd)
														•		
One = 51					NASA S 445	25	****	-	<u> </u>					NA-64-0-14-7-		
Open Flor		·	ر در ما ما الما الما الما الما الما الما ال		Mcfd @ 14.6		.1_1		Deliverab			L		Mcfd @ 14.65 psi		
					enalt of the report is true						to make ti day of _			rt and that he ha		wledge of 20 <u>13</u>
									-	M	aus	4	tre	New		C WICH
·			Witness	(if an	у)				-				For C	Company		
			For Com	nissio	on				-				Chec	cked by	_Ut	EC 13 201
						•								•		DECENT

	erjury 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.
	information and statements contained on this application form are true and
correct to the best of my knowled	ge and belief based upon available production summaries and lease records
• •	pon type of completion or upon use being made of the gas well herein named.
I hereby request a one-year o	exemption from open flow testing for the HCU 3120-C
gas well on the grounds that said	fwell:
(Check one)	
	nethane producer
	llunger lift due to water
<u></u>	natural gas for injection into an oil reservoir undergoing ER
	at the present time; KCC approval Docket No
✓ is not capable	e of producing at a daily rate in excess of 250 mcf/D
	ne best of my ability any and all supporting documents deemed by Commission
staff as necessary to corroborate	e this claim for exemption from testing.
1.1-1.0	
Date: 142/13	
*	
	Man Hilaren
	Signature: 12 CON 12 CO
•	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. The form must be signed and dated on the front side as though it was a verified report of annual test results.

DEC 13 2013 RECEIVED