RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:		•			0	'See Instru	ctions on F	Revers	se Side	e)						
Open Flow					Test Date:					ADI	No. 15						
✓ Deliverabilty						12/04/13				API No. 15 15-075-20678-00-00							
Company Linn Ope		g Inc		-100		· .		Lease HCU						24	W 122-C	ell Nu	mber
County Location Hamilton C NW				Section 24					RNG (E/W) 42W				Acres Attributed 640				
Field Bradshaw					Reservoir Winfield				Gas Gathering Connection Oneok Field Services						•		
Completic 9/10/98	on Da	e .				Plug Bac 2782	k Total De	pth			Packer S	et at			•		
Casing Size Weight 4.5 10.5				Internal I 4.052	Diameter		Set at 2838'			Perforations 2576'				то 2697'			
Tubing Size Weight 2 3/8 4.7				Internal E 1.995	Internal Diameter 1.995				Perfo	То	То						
Type Com Single (n (De	escribe)			Type Flui Gas - \	d Production	on			Púmp Ur Pump	nit or Trave	ling l	Plunger?	Yes /		·
Producing Thru (Annulus / Tubing) Annulus				% C	% Carbon Dioxide					% Nitrogen				Gas Gravity - G _g			
Vertical D	epth(l	H)					Pre	ssure Taps								un) (P	rover) Size
2636							Flai	nge						2.	.067"		
Pressure	Buildu	p:	Shut in 12	/03	2	0 13 at 1	1:00 AM	_ (AM) (PN	1) Tal	ken_12	2/04		20	13 _{at} 11	:00 A	M_ (AM) (PM)
Well on Li	ine:		Started		2	0 at <u>.:</u> _		_ (AM) (PM	1) Tal	ken			20 _	at		((AM) (PM)
			,				OBSERV	ED SURFA	CE D	ATA		•		Ouration of	Shut-ir	_24	Hours
Static / Dynamic Property	Dynamic Siz		ze Prover Press		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		- 1	Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	Shut-In		poig (r iii		1120			psig 21		psia 5.4	psig psia Pump		+	24		· ·	
Flow																	
							FLOW ST	REAM ATT	RIBU	ITES			•				
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension P _m x h	Grav Fac	tor	Flowing Temperature Factor F ₁₁	ture Fa		viation actor F _{pv}	Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)		<i>H</i>	Flowing Fluid Gravity G _m
L																	
(P _c) ² =		_:	(P _w) ² :	=	:	(OPEN FL		VERABILIT _%	-		_ATIONS - 14.4 =	:			(P _a) ² : (P _d) ² :		07
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²		LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Backpressure Cur Slope = "n" or Assigned Standard Slope		"n" ed	n x I	.og [Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
										-		· .			-		· · · · · · · · · · · · · · · · · · ·
Open Flov	w				Mcfd @ 14.	 65 psia		Delivera	ability			· ·		lcfd @ 14.6	55 psia		
·		igned	authority, o	on b	ehalf of the		states that				o make th	e above r				know	ledge of
					report is true			-			day of D		-				20 13
					· · · · · · · · · · · · · · · · · · ·					SI	ran		H	Lier	KC	CA/	VICHIT.
			Witness	(if any	y)								For Co	mpany			
			For Com	nissic	on .								Check	ed by	DE	C 1	3 2013

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 2422-C 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: 12/5/13
Signature: Sham Helwon 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