KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Ins	truct	ions on Re	verse Side	·)					
Op	en Flo	w				Toot Date					A.D.I	Na 15				
✓ Deliverabilty					Test Date: 12/04/13					API No. 15 15-075-10028-00-00						
Company Linn Operating Inc					****			Lease HCU				Well Number 0421				
County Location Hamilton C SE NW				Section 4				TWP 22S		W)	Acres Attributed 640			Attributed		
Field Bradshaw					Reservoir Winfield			Gas Gathering Conne Oneok Field Service								
Completion Date 7/11/62				Plug Bac 2772'	k Total I	Dept	n Packer Set a			Set at			,			
Casing Size Weight .5 9.5				Internal Diam 4.090			smeter Set at 2783'		Perfo 276	rations 5'	то 2766'					
ubing Size Weight 4.7				Internal Diameter 1.995			Set at		Perfo	rations		То				
					Type Fluid Production Gas - Water				Pump Unit or Traveling I			Plunger? Yes / No Yes				
Producing Thru (Annulus / Tubing) Annulus				% C	% Carbon Dioxide				% Nitrog	Gas Gravity - G _g						
Vertical Depth(H) 2766'						Pressure Taps Flange									rover) Size	
							(AM) (PM) Taken 12/04			20	13 at			(AM) (PM)		
Well on Li	ine:		Started		20	0 at			(AM) (PM)	Taken		20	at			(AM) (PM)
							OBSE	RVE	D SURFAC	E DATA			Duratio	n of Shut-	_{in} 24	Hours
Static / Dynamic Property	nic Size _P		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Well H Temperature t			Cas Wellhead (P _w) or (F	Pressure	(P_w) or (P_l) or (P_c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			,3 (· ···/		2				psig 41	^{psia} 55.4	Pump	psia	24			
Flow	Flow ,											·				
				,			FLOW	STR	EAM ATTR	IBUTES	· .					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Grav Extension Fact √ P _m x h F _g		or Temperature		· Fa	Deviation M Factor F _{pv}		v	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
						(ODEN EL	DW) (DE	1371	ED A DU ITY	2010	4710110	<u> </u>	<u>l:</u>			
P _c) ² =		_:	(P _w) ² =		<u> </u>	P _d =	OW) (DE		ERABILITY) CALCUL P _c - 14.4) +		;			² = 0.2	e07
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_g)^2$		(P _c) ² - (P _w) ²		:	ose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ sed by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	ormula . or 2. d divide p 2 _ p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x l	LOG	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flov	l w	,			Mcfd @ 14.6	65 psia			Deliverab	ility			Mcfd @	14.65 psi	ia	
				n b	ehalf of the	Company, s			e is duly au	uthorized to		e above repo				ledge of
e facts st	tated ti	herei	n, and that s	aid	report is true	and correc	t. Execu	uted	this the 51	th .	day of D	ecember	,			20 13
			Witness (if any).				-0	XV	Mus	H _{For}	M Company	ent	<u>(CC</u>	WICH
				•			.*					. 3.	/		DFC	1 3 201
			For Comr	nissio	n							Che	cked by			

, , ,	y under the laws of the state of Kansas that I am authorized to request
· · · · · · · · · · · · · · · · · · ·	-304 on behalf of the operator Linn Operating, Inc.
	rmation and statements contained on this application form are true and
correct to the best of my knowledge a	and belief based upon available production summaries and lease records
• •	type of completion or upon use being made of the gas well herein named.
I hereby request a one-year exem	nption from open flow testing for the HCU 0421
gas well on the grounds that said wel	li e e e e e e e e e e e e e e e e e e e
(Check one)	
is a coalbed metha	
	er lift due to water
	ural gas for injection into an oil reservoir undergoing ER
is on vacuum at th	e present time; KCC approval Docket No
is not capable of p	producing at a daily rate in excess of 250 mcf/D
,,,,	est of my ability any and all supporting documents deemed by Commission
staff as necessary to corroborate this	s claim for exemption from testing.
/ - 1	
Date: 12/5/13	
	·
v.	Signature: Show How
•	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