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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Inst	truct	ions on Rev	verse Side	e)	•					
Ор	en Flov	v				T4 D-4-					A DI	No. 15					
✓ Deliverabilty					Test Date: 11/21/13						075-2071	8-00-	00				
Company Linn Ope		ı Inc					Lease HCU							Well Number 0720 C			
County Location Hamilton NE NE SW					Section 7				TWP 22S		RNG (E/W) 40W		Acres Attributed 640				
						Reservoir Winfield				Gas Gathering Connection Oneok Field Services							
•					Plug Bac 2862'	Plug Back Total Depth 2862'					Packer Set at						
				Internal E 4.052"	Internal Diameter 4.052"			Set at 2898'		rations 8'		то 2726'					
3					Internal D 1.995	Internal Diameter 1.995			Set at 2782'		Perforations		То				
Type Con Single	npletion	1 (De	escribe)			Type Flui Gas - \		ction	1	Pump Unit or Travelin			ing Pl	ng Plunger? Yes / No Yes			
Producing Thru (Annulus / Tubing) Annulus						% C	% Carbon Dioxide				% Nitrogen			Gas Gravity - G _g .769			
Vertical D)					F	ress	sure Taps				*		Run) (P	rover) Size	
2717'			•				Flange							2.067	, ,	,	
Pressure	Buildur	p:	Shut in 11/	20	20	13 at 1	1:00 A	M	(AM) (PM)	Taken 1	1/21		20 1	3 at 11:00 /	ΔM	(AM) (PM)	
Well on L	ine:		Started		20) at			(AM) (PM)	Taken			20 _	at		(AM) (PM)	
							OBSE	RVE	D SURFACI	E DATA			Du	uration of Shut-	n_24	Hours	
Static / Dynamic Property	namic Size		Circle one: Meter Prover Press	Differe in	in		Flowing Well Here		Mallhaad Praecura		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)			Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches	Inches H ₂ 0		٠.		psig 45	psia 59.4	Pump	psia	psia .				
Flow	Flow													· · · · · · · · · · · · · · · · · · ·			
			· · · · · · · · · · · · · · · · · · ·				FLOW	STR	EAM ATTR	IBUTES							
Plate Coeffieci (F _b) (F Mcfd	ient	Circle one: Meter or Prover Pressure psia		Press Extension P _m x h		Grav Fact F _s	tor	Tomporotus		re Deviation Factor F _{pv}				GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m	
				<u> </u>		(OPEN EL	OW) (DE	=1 11/	ERABILITY) CALCIII	ATIONS						
(P _c) ² =		_:	(P _w) ² =	=	_:	P _d =		- LIV		ر - 14.4) +		<u>. </u>			= 0.2	207	
$(P_c)^2 - (P_a)^2$ 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 by:		Backpressure Ct Slope = "n" or Assigned Standard Slop		oe = "n" - or signed	n x 10G			Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
												•					
Open Flor				Mcfd @	14.6	65 psia			Deliverab	ility	:		Mo	fd @ 14.65 psi	a		
		gned	d authority, o				states th	at h			o make t	ne above re		and that he ha		rledge of	
he facts s	tated th	nerei	n, and that s	aid report i	s true	and correc	t. Execu	uted	this the 2r	nd	day of	ecember	1 1	•	·	20 13	
										X	The	un 9	4	reares	P-		
	. "		Witness	if any)					_				or Com			WICH	
	******		For Comr	nission			,						Checked			1 3 201	

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 0720 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 not capable of producing at a daily rate in excess of 250 mct/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. Signature:	
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Signature: Mann Hurrer	
	Date: 12/2/13
Title: Regulatory Compliance Advisor	Signature: Man Hinren
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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.

MCC WICHITA

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