KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Ins	tructi	ons on Re	verse Side	e)					
Ор	en Flow				T4 D-4-					ADI	N- 45				
✓ Deliverabilty			Test Date 12/04/13			API No. 15 15-075-20084 <i> 0000</i>									
Company Linn Operating Inc				*			Lease HCU			Well Number 2931					
County Location Hamilton SE SE			Section 29			TWP 23S	, ,		N)	Acres Attributed 640					
Field Bradshaw				Reservoir Winfield			Gas Gathering Connection Oneok Field Services								
Completion Date 2/8/75				Plug Back Total Depth 2381'			1		Packer Set at						
Casing Size Weight 4.5 10.5				Internal Diamet 4.000'			r ·	Set at 2388		Perforations 2350'		то 2364'			
Tubing Size 2 3/8		Weig 4.7	Weight 4.7		Internal D 1.995		iameter		Set at 2372'		Perforations		То		
Type Completion (Describe) Single Gas				Type Fluid Production Gas - Water					Pump Unit or Traveling Pump		Plunger? Yes / No Yes				
Producing Thru (Annulus / Tubing) Annulus			% Carbon Dioxid			е		% Nitrogen		Gas Gravity - G _g					
Vertical Depth(H)				• • • • • • • • • • • • • • • • • • • •			ress lang	ure Taps	*		-		er Run) (F	Prover) Size	
	Buildup:	Shut in 12	/03	2	0_13_at_1				Taken 12	2/04	20	13 _{at} 11:0		(AM) (PM)	
Well on L	ine:	Started		20) at			(AM) (PM)	Taken	-	20	at		(AM) (PM)	
						OBSE	RVE	SURFAC	E DATA	,		Duration of Sh	nut-in 24	Hours	
Static / Orifice Dynamic Size Property (inches)		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well He Tempera t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-in								90	104.4	Pump	pola	24			
Flow															
						FLOW	STRE	EAM ATTR	IBUTES						
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	ension Fac		Te	Flowing Deviation Factor Fig. Pr		ector	tor R		OR : Feet/ rel)	Flowing Fluid Gravity G _m	
						-									
					(OPEN FL	OW) (DE	LIVE		•				$P_a)^2 = 0.3$	207	
$P_c)^2 =$: (P _w) ²		:	$P_d =$		%	, (F	P _c - 14.4) +	14.4 =	:	(P _d) ² =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		ose 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 _c ² -P _w ²		Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LOG		Ántilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
÷ .											· · · · · · · · · · · · · · · · · · ·				
Open Flov	W			Mcfd @ 14.	65 psia			Deliverab	oility			Mcfd @ 14.65	psia		
					-			· _			· ·	ort and that he			
ne facts si	tated the	erein, and that	said	report is true	and correc	t. Execu	uted 1	this the _5	\mathcal{M}	day of De		I do ma		²⁰	
		Witness	(if any	')			_*	-	/4/	6000	For	Company			
		For Com	missio	n				-			Che	cked by	_DEC	1 3 2013	
													R	ECEIVE	

I declare und	ler penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status un	der Rule K.A.R. 82-3-304 on behalf of the operator Linn Operating, Inc.
·	going pressure information and statements contained on this application form are true and
correct to the bes	t of my knowledge and belief based upon available production summaries and lease records
of equipment inst	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby requ	est a one-year exemption from open flow testing for the HCU 2931
	rounds that said well:
(Check	cone)
,	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
\checkmark	is not capable of producing at a daily rate in excess of 250 mcf/D
· · ·	e to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessar	y to corroborate this claim for exemption from testing.
1 - 1	
Date: / 2/	5//3
	Signature: Shaw Hearen
	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 signed and dated on the front side as though it was a verified report of annual test results.

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