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

Type Test	:					(See Ins	structi	ons on Re	verse Side	e) .				
Ор	en Flow				Toet Dat	· n·				۸۵	l No. 15			
✓ Deliverabilty				Test Date: 11/21/13				API No. 15 15-075-20409-00-00						
Company Linn Operating Inc					Lease HCU				Well Number 1720 C			umber		
County Location Hamilton C SW				Section 17		_	TWP 22S	RNG (E/W) 40W		Acres Attributed 640				
Field . Bradshaw					Reservoir Winfield				Gas Gathering Connection Oneok Field Services					
Completion Date 10/13/88					Plug Ba 3992'	Plug Back Total Depth 3992'				Packer	Set at			
Casing Size 5.5			Weigh 15.5	t .	Internal 4.950	Internal Diameter 4.950			Set at <b>4460'</b>		orations 10'	то 2708'		
Tubing Size 2 3/8			Weigh 4.7	t .	Internal 1.995	Internal Diameter 1.995			Set at 2699'		orations	То		
Type Completion (Describe) Single Gas				,,	Type Fluid Production Gas - Water				Pump U Pump	nit or Traveling		er? Yes / No Yes		
Producing Thru (Annulus / Tubing) Annulus					%	% Carbon Dioxide				% Nitrogen		Gas G .757	Gas Gravity - G <sub>g</sub> .757	
Vertical Depth(H) 2699'						Pressure Taps Flange							(Meter Run) (Prover) Size 2.067"	
Pressure	Buildup	: Shu	t in11/2	20	20_13_at_1				Taken_1	1/21	20	13 <sub>at</sub> 11:00	AM	(AM) (PM)
Well on L	ine:	Star	ted		20 at			(AM) (PM)	Taken		20	at		(AM) (PM)
						OBSE	RVE	SURFAC	E DATA			Duration of Shut	<sub>in</sub> 24	Hours
Static / Dynamic Property	amic Size		Circle one: Pressure Meter Trover Pressure psig (Pm) Pressure in Inches H <sub>2</sub> 0		Temperature	emperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$ psig psia		1 '		id Produced (Barrels)
Shut-In								55	69.4	Pump	····	24		
Flow														
						FLOW	STRI	EAM ATTR	IBUTES					
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		lt .	Press Grav Extension Fac  ✓ P <sub>m</sub> x h F		Te	Flowing emperature Factor F <sub>f1</sub>	Deviation Factor F <sub>pv</sub>		Metered Flor R (Mcfd)	w GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>
P <sub>c</sub> ) <sup>2</sup> =		·	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FL		ELIVE	ERABILITY	') CALCUL P <sub>c</sub> - 14.4) +		:		<sup>2</sup> = 0.2	207
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F	•	$(P_c)^2 - (P_w)^2$ 1		Choose formula 1 c 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> LOG of formula 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> and divide				Backpressure Curve Slope = "n" Assigned Standard Slope		LOG	Antilog	O Antilog Equal	
Open Flov	N			Mcfd @ 1	4.65 psia			Deliverab	 pility			Mcfd @ 14.65 ps	ia	
The u	ındersia	ned au	thority, or			states th	nat he	is duly a	uthorized t	o make ti	he above repo	ort and that he ha		vledge of
				id report is tr						_	December			20 13
				t					S.	nau	in H	Tieas.	RC	C WIC
			Witness (if	any)	The state of the s			·-			For	Company	nr	C 4 A A
			For Commi	ission			<u> </u>				Che	cked by	DE	LL_13_2

	ry under the laws of the state of Kansas that I am authorized to request 3-304 on behalf of the operator Linn Operating, Inc.
	ormation 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 upor	type of completion or upon use being made of the gas well herein named.
	mption from open flow testing for the HCU 1720 C
gas well on the grounds that said we	
-	
(Check one)	
is a coalbed meth	nane producer
is cycled on plun	ger lift due to water
is a source of nat	tural gas for injection into an oil reservoir undergoing ER
is on vacuum at ti	he 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 b staff as necessary to corroborate th	pest of my ability any and all supporting documents deemed by Commission is claim for exemption from testing.
Date: 12/2/13	
	Signature: Man Hierren
	Title: Regulatory Compliance Advisor
	riue.

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
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