KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:						(See Instruc	tions on Re	everse Side)					
	en Flov liverabi					Test Date 11/21/13					No. 15 075-20654-0	00-00			
Company Linn Ope		Inc						Lease HCU				0920 I	Well Nu B	mber	
County Hamilton 4/2 4/2 E/3 SE				Section 9			TWP RNC 22S 40V		W)		Acres Attributed 640				
Field Bradshaw				Reservoir Winfield			Gas Gathering Conn Oneok Field Servic								
Completic 9/17/97	on Date	е				Plug Bac N/A	k Total Dep	th		Packer S	et at				
Casing Si 4.5	asing Size Weight 5 9.5			Internal E 4.090	Diameter		Set at 2976'		rations B'	то 2738'					
Tubing Si 2 3/8	ubing Size Weight 4.7				Internal Diameter 1.995		Set at 2859'		rations	То					
Type Completion (Describe) Single Gas				Type Flui Gas - \	d Productio Nater	n	Pump Unit or Traveling Pump			Plunger? Yes / No Yes					
Producing Annulus		(Anr	nulus / Tubin	g)		% C	arbon Diox	ide		% Nitrog	en	Gas Gr .78	ravity - C	à g	
Vertical D 2728'	/ertical Depth(H) 2728'				Pressure Ta Flange			ps ·			(Meter Run) (Prover) Size 2.067".				
Pressure	Buildu	o:	Shut in 11/	20	2	0 13 at 1	1:00 AM	(AM) (PM)	Taken 11	1/21	20	13 _{at} 11:00	AM (AM) (PM)	
Well on L	ine:		Started		. 2	0 at	•	(AM) (PM)	Taken		20	at		AM) (PM)	
						I	OBSERVE	ED SURFAC		1		Duration of Shut	-in <u>24</u>	Hours	
Static / Dynamic Property	ynamic Size _F		Circle one: Meter Prover Press psig (Pm)	ure	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		Casing. Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_l) or (P_c) psig psia		Duration (Hours)	1 1	Liquid Produced (Barrels)	
Shut-In	nut-In		,		2			45	59.4	Pump		24			
Flow			i.		·										
				Τ		· ·	FLOW ST	REAM ATTE	RIBUTES						
Plate Coefficeient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension ✓ P _m xh	Grav Fact F _s	tor	Flowing Temperature Factor F _{ft}		iation · ector pv	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
		-			•							•	····		
(P _c) ² =		_:	(P _w) ² =	=	:	(OPEN FLO		/ERABILIT\ % (/) CALCUL P _c - 14.4) +		· .	(P _a) (P _d)	$0^2 = 0.2$ $0^2 = 0.2$) 7	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Cho	1. P _c ² - P _a ² 2. P _c ² - P _d ² ided by: P _c ² - P _w ² by:		P _c ² -P _w ²	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Op Deli Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
														,	
					· · · · · · ·	<u> </u>	<u> </u>	-							
Open Flov				•	Mcfd @ 14.			Deliveral	• •	•		Mcfd @ 14.65 ps		,	
		•	•					•			e above repo ecember	rt and that he ha		ledge of $_{20}$ 13	
ne tacts si	tated th	ierei	n, and that s	aid	report is true	e and correc	t. Executed	ins the	M M	day of	-H	restrica	, ;	<u>. 19</u> .	
*		٠.	Witness (if an	y) .	,			/ <u>~</u> ·		For C	Company	KC	C WIC	
			For Comr	nissio	on .		•				Che	cked by		2 4 9 9	

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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 0920 B 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 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. Date: / J.J.J.J. Signature: MRMAHAMA. Title: Regulatory Compliance Advisor		
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Signature: Man Hidrey		
•	Date: 12/2/13	3
•		
•		
•		1221
Title: Regulatory Compliance Advisor		Signature: XVXXXIII
		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.

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