KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

= :	: en Flor liverab					Test Date	»:	uctions on Rev	verse Side	API	No. 15		
Company C.H. Todd Inc.						3/27/20	114	Lease Vanden	15-007-22053 – 0000 Dease Well Number anderwork 1-7				
County Barber	<u> </u>		Location C NE NW			Section 7		TWP 32S	TWP		W)	Acres Attributed	
Field Medicine River					Reservoir Mississ			Gas Gathering Cor		hering Conne	ection		
Completic 7/15/85	ө				Plug Back Total Depth 4605		epth	h		Set at			
Casing Si 4.5	ze		Weight 10.5			Internal Diameter 3.995			Set at 4648		rations 2	то 4268	
Tubing Size 2.375			Weight 4.7			Internal Diameter 1.995			Set at 4275		rations	То	
Type Completion (Describe) Casing					Type Fluid Oil and		ion	Pump Unit or Tra Pumping			veling Plunger? Yes / No		
Producing Casing	Thru	(Anr	nulus / Tubin	ıg)		% C	arbon Dio	xide		% Nitrog	en	Gas Gra	avity - G _o
Vertical D	epth(H)					Pre	essure Taps				(Meter F	Run) (Prover) Size
Pressure	Buildu	p: :	Shut in Ma	rch	26 2	0_14_at_10	0:00	(PM)	Taken M	arch 27	20	14 _{at} 10:00	(AM) (PM)
Well on L	ine:	;	Started		20	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
			-			_	OBSERV	/ED SURFACE	DATA	-		Duration of Shut-	nHours
Static / Dynamic Property	Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature Temperature t t			Pressure	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-In									171.7	parg	paig paia		
Flow												. <u> </u>	
							FLOW ST	TREAM ATTRI	BUTES				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension ✓ P _m x h	Gravity Factor F _g		Flowing Temperature Factor F _{II}	Fa	iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m
							_			<u>-</u> :			
(P _c) ² =		_;	(P _w) ² =	=	<u> </u>	(OPEN FLO	OW) (DEL	IVERABILITY) _% (P	CALCUL , - 14.4) +		:	(P _a) [;] (P _a)	? = 0.207 ! =
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² • (P _w) ²		Choose formula 1 or 2: 1. P _c ² -P _e 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 Curv Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flov	V				Mcfd @ 14.	55 psia		Deliverabi	lity		<u></u>	Mcfd @ 14.65 psi	<u> </u>
The u	ındersi	gned	authority, c	n be	half of the	Company, s	tates that	he is duly au			-	t and that he ha	s knowledge of
the facts st	ated th	erei	n, and that s	aid re	eport is true	and correct	t. Execute	ed this the 10		day of A	pril		, 20 14
			Witness	(if any)					- 15		4 Felica	ompany	KCC MICHI
			For Com					-		\$1	Thech	Viter	APR 1 4 2014

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request					
	t status under Rule K.A.R. 82-3-304 on behalf of the operator C.H. Todd Inc.					
	at the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records					
	pment installation and/or upon type of completion or upon use being made of the gas well herein named.					
•	ereby request a one-year exemption from open flow testing for the _Vanderwork 1-7					
	ell on the grounds that said well:					
940						
	(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 mcf/D					
l fi	urther agree to supply to the best of my ability any and all supporting documents deemed by Commission					
	s necessary to corroborate this claim for exemption from testing.					
olali a	s necessary to correspond to the diamner exemption non-testing.					
Datas	April 10, 2014					
Date:_	April 10, 2014					
	Signature:					
	Title: Engineer					

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.

KCC WICHITA

APR 1 4 2014