KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	tions on Re	rerse Side	9)					
Open Flow			Test Date:				A DI	N- 45						
Deliverabilty			3/27/2014				API No. 15 15-007 - 22133 <i>-</i> 0000							
Company C.H. To	dd In				**		Lease Clarke	 -			1-6	Well No	ımber	
County Barber			Location SW SW		Section 6		TWP 32S		RNG (E/W) 12W			Acres Attributed		
Field Medicin	e Riv	er			Reservoir Mississ				Gas Gat	thering Conn	ection			
Completion Date 4/15/86					Plug Bac 4339	k Total Dept	th			Packer Set at None				
Casing Size 4.5			Weigh 10.5	t	Internal D 3.95	Internal Diameter 3.95		Set at 4399		Perforations 4252		то 4272		
Tubing Size 2.375			Weigh 4.7	t	Internal Diamet		Set at 4280		Perforations		То	То		
Type Con Casing	npletio	n (Do	escribe)		Type Flui Oil and	d Production Water	n		Pump U Pumpi	nit or Traveling	J Plunger? Yes	/ No		
Producing	g Thru	(Anı	nulus / Tubing)	% C	arbon Dioxi	ide		% Nitrog		Gas G	ravity -	G _o	
Casing										<u>.</u> -				
Vertical D	epth(F	ł)				Pres	sure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildu	p:	Shut in Mar	ch 26 2	0 14 at 1	1:00	(AM)(PM)	Taken Ma	arch 27	20	14 at 11:123	000	(AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
		_			_	OBSERVE	D SURFACI	DATA	_		Duration of Shut	-in	Hours	
Static / Orifice Dynamic Size		е	Circle one: Meter Prover Pressu	Pressure Differential re in	Flowing Temperature	Well Head Temperature	Welihead	Pressure	Tubing Wellhead Pressure		Duration (Hours)	Liquid Produced		
Property	Property (inches)		psig (Pm)	Inches H ₂ 0	t	<u> </u>	(P _w) or (P _t) or (P _c)		(P _w) or (P _t) or (P _q) psig psia		(Hours)	1	(Barrels)	
Shut-In							72	86.7						
Flow														
						FLOW STP	REAM ATTR	IBUTES	_				,	
Plate Coefficcient (F _b) (F _p) Mcfd		Pro	Circie one: Meter or over Pressure psia	Press Extension	Fact	Gravity Factor F _g		Flowing Dev Temperature Factor F		Metered Flor R (Mcfd)	w GOR (Cubic Fo Barrel	eet/	Flowing Fluid Gravity G _m	
								-				_		
(P _c) ² =			(P _w) ² =		(OPEN FLI		'ERABILITY' % (F	CALCUL 2 - 14.4) +) ² = 0.2	207	
				Choose formula 1 of 2	:		Т-	<u> </u>			, , , , , , , , , , , , , , , , , , ,)² = <u> </u>		
$(P_0)^2 - (P_0)^2$ or $(P_0)^2 - (P_0)^2$		(P	°,)2- (P,,)2	1. P _c ² -P _d ² 2. P _c ² -P _d ²	LOG of formula 1. or 2.		Backpressure Curve Slope = "n"		l n x tog		Antilog	Del	Open Flow Deliverability Equals R x Antilog	
(1,6)-(1	d/			divided by: Pc2 - P.	and divide by:	P°s-P°s		ard Slope	-	L _J			(Mcfd)	
					_			·	<u> </u>					
Open Flor	L w			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia.		
The	unders	igned	d authority, or	behalf of the	Company, s	tates that h	ie is duly au	thorized t	o make tl	ne above repo	ort and that he h	as know	ledge of	
the facts s	tated ti	herei	n, and that sa	id report is true	and correc	t. Executed	this the 10)	day of A	pril			20 14 .	
	.		Witness (it	any)		KCC	WICH	ITA	1	Fell				
			For Comm			APR	1 4 201	4	15 FO	ady '	Yte itt	5	<u>"</u>	

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	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request of status under Rule K.A.R. 82-3-304 on behalf of the operator <u>C.H. Todd Inc.</u>
	at the foregoing pressure information and statements contained on this application form are true and
	et to the best of my knowledge and belief based upon available production summaries and lease records
•	ipment installation and/or upon type of completion or upon use being made of the gas well herein named.
	nereby request a one-year exemption from open flow testing for the Clarke 1-6
gas w	ell 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 mcf/D
Н	urther agree to supply to the best of my ability any and all supporting documents deemed by Commissio
staff a	s necessary to corroborate this claim for exemption from testing.
Date:	April 10, 2014
	VI Chill
	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

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