## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	::	<u>.</u>		9	See Instruct	ions on Re	verse Side	) :::				
🗹 Óp	en Flow	;		,							1 2 .	
De	liverabilty	<u>, -:</u>		Test Date 9/14/201	-	;;;	:	15-0	lo, 15 07-1 <del>5705</del> .	19,023-00	00 ,:	
Company		rating, L.L.C.	· .			Lease Birdie	Clark	;:: · · ;		: 1-7	Vell Number	
County Barber		Location C N2 NW		Section 7	. 1	TWP 34S	. ;;	RNG (E/V	, λ):	//	Acres Attributed	
Field Aetna	. ,		•	Reservoir Mississ			· · · · · ·		ering Conn Energy Ser			
Completic 4/1/64	on Date			Plug Back 4896	k Total Dept	ih .		Packer Se None	t at	1		
Casing S	ize	Weight 14		Internal E 5.012	Diameter	Set 6 492	1t	Perfora 4848	ations	то 4866	, ,	
Tubing Si 2.375	ize	Weight 4.7	,-	Internal E 1.995		Set a 483		Perfora	ations ·	, То		
Type Con Single (	npletion (D Gas	escribe)		Type Fluid None	d Production	1	,:: · .	Pump Unit	t or Traveling Jnit	Plunger? Yes	/ No 🦽	
•	- 1	nulus / Tubing)	:	% C	arbon Dioxi	de : '		% Nitroge	n '	Gas Gra	avity - G <sub>g</sub>	
Annulus			¹ e			<u> </u>	<u></u>		<u>.                                    </u>			
Vertical D 4857	Pepth(H)				Pres	sure Taps	, '			, (Meter F	Run) (Prover) Size	
	Buildup:	Shut in 9/13		0_15_at_8	00	(AM) (PM)	Taken_9/	14	20	15 at 8:00	(AM) (PM)	
Well on L	ine:	Started	20	0 at	· ,	(AM) (PM)	Taken	=	20	at	(AM) (PM)	
	. '	r , ,			OBSERVE	D SURFAC	E DATA			Duration of Shut-	n_24 Hours	
Static / Dynamic	Static / Orifice   Meter   Diff		Pressure Differential in	Flowing Well Head Temperature Temperature		Casing  Wellhead Pressure: $(P_w)$ or $(P_t)$ or $(P_c)$		: Tubing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_0)$		Duration (Hours)	Liquid Produced (Barrels)	
Property	(inches)	psig (Pm)	Inches H₂0	,:: <b>,t</b>	:t; ·	psig	psia	psig		, , , , , ,	, ,, ,	
Shut-In	Þ		: :	·		100	114.4	30	44.4	24		
Flow			,					'			b	
	· .	:		·,·	FLOW STR	EAM ATTR	IBUTES		r 	,	· · ·	
Plate Coeffiec (F <sub>b</sub> ) (F Mote	ient p) Pr	Circle one: Meter or over Pressure psla	Press: Extension P <sub>m</sub> xh	Grav Fact ∵ F <sub>a</sub>		Flowing Temperature Factor F <sub>ft</sub>	<u>.</u> .	iation ctor	Metered Flo R (Mcfd)	W GOR (Cubic Fed Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
:			· · · · · · · · · · · · · · · · · · ·	· ·				[vi ]			, .	
<u> </u>	: : :	٠		(OPEN FL	OW) (DELIV	ERABILITY	) CALCUL	ATIONS	- * .	(P_)	= 0.207	
(P <sub>c</sub> ) <sup>2</sup> =	<u></u>	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	. P <sub>d</sub> =	<u> </u>	% . (F	° (- 14.4) +	14.4 =	·:		<u></u>	
(P <sub>c</sub> ) <sup>2</sup> - (l or (P <sub>c</sub> ) <sup>2</sup> - (l	Ť. l	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> ded by: P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slo As	ssure Curve pe = "n" or	nxL	5G :	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
. :	· · ·		oed by. T <sub>c</sub> = F <sub>w</sub>	1 : :	· · · · · · · · · · · · · · · · · · ·				. :	į.		
1	::	:::		;;;;;;;	<u> </u>	<u>;;;</u> ,	· - ; :	•	• , .	; ' '	•	
Open Flo			Mcfd @ 14.	65 psia	. ,*. ;	: Deliverat	ility ·	• ;	:	Mcfd @.14.65 psi	a .	
, -		** * .		-,:		,		o make the	above repo	ort and that he ha		
				- *	t. Executed	this the <u>1</u>	9		-		, 20 15	
the facts stated therein, and that said report is true and correct. Executed this the 19 day of October , 20 15												
	** * * * * * * * * * * * * * * * * * * *	Witness (if ar	(y) ;···	373 73	OCT 2	6 2015	.,	•	: For	Company ·	, ,	
	f	For Commiss	Ion .		REC	EIVED	· · · · ·	;··· .	- Che	cked by	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

		•	id		•	
				·		
I declare under penalty of perjury un	-					request
exempt status under Rule K.A.R. 82-3-304	on behalf of	he operator	Chesapea	ke Operating	j, L.L.C.	· · · · · · · · · · · · · · · · · · ·
and that the foregoing pressure informati	on and state	ments conta	ained on thi	s application	form are t	rue and
correct to the best of my knowledge and b	elief based u	pon availabl	e production	n summaries	and lease	records
of equipment installation and/or upon type					well herein	named.
I hereby request a one-year exemption	n from open f	low testing f	or the Birdi	e Clark 1-7		• •
gas well on the grounds that said well:	•	;	·. ·		٠,	. '
(Check one)						*
is a coalbed methane p	roducer	•		, ,		., '
is cycled on plunger lif		r	:		14	
is a source of natural g	as for in <b>je</b> ction	on into an oi	l reservoir u	ndergoing E	R,	,
is on vacuum at the pre	esent time; K	CC approval	Docket No.		1	_ / -:
is not capable of produ	icing at a dai	ly rate in exc	cess of 250	mcf/D	- "•	
				• •		
I further agree to supply to the best of				cuments dé	emed by C	ommission
staff as necessary to corroborate this clai	m for exemp	tion trom tes	sting.			•
	'			-1 .		1
Date: 10/19/2015	· · · .	-	; ; ; ;	· · ·	- -	-;
					•	
	·		,		÷	'
		· 				
	Signature: _	Sara	ر پرينزا کې	A		14.
KCC WICHITA	-· · · ·	Sara Evere	t Regulator	v Analyst…	. 17 	
OCT 2 6 2015	:110e:_		;; ; ; ; ; ; ; ;	y maryor,		<del></del>
RECEIVED		· : ::				į.i. i.,
NECEIVED	•		. ,			· · · · · · · · · · · · · · · · · · ·

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.