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

Type Test	t <b>;</b>	•			(See Instruct	tions on Reve	erse Side	)			•		
✓ Open Flow			77-1 D-1				4511	15 de	•				
Deliverabilty				Test Date: 8/15/2015			API N 15-1	io. 15 89-22516 <b>-</b>	-0000	0000			
Company		perating, L.L.	<b>C.</b>		Lease Brown						Well Number 3-9		
County Location Stevens 1320 FSL & 1320 FWL			Section 9		TWP 33S			/)	· A	Acres Attributed			
Field Walkemeyer				Reservoi			33S 36W  Gas Gatherin  OneOK Fie						
Completic 7/12/20	on Date		. , (	Plug Bac	k Total Dept	th		Packer Se	t at		· · · · · · · · · · · · · · · · · · ·		
Casing Size Weight 5.5 17.0			internal I 4.95	Diameter	Set at 6498		Perforations 6070		то 6090				
Tubing Size Weight 2.875 6.5			Internal I 2.441	Diameter	Set at	Set at 6029		itions	To				
	npletion	(Describe)	·· · · · · · · · · · · · · · · · · · ·	•	d Production				or Traveling	Plunger? Yes / No			
Single -	Gas	· · · · · ·		Water					• ′				
Producing Tubing	j Thru (	Annulus / Tubii	ng) .: : .	% (	carbon Dioxi	d <del>e · ·</del>	•	% Nitroge	n`	Gas Gra	vity - G <sub>g</sub>		
Vertical D	epth(H)					sure Taps	•		. /	(Meter F	lun) (Prover) Size		
6080		8/	14	<sub>20</sub> 15 <sub>3</sub> , 8	Flan			15	<del></del>	15 _ 8:00	(444) (754)		
Pressure Well on L	i . '	Shut in		20 at 20 at	<del></del>	(AM) (PM) 1 (AM) (PM) 1	iakeii		20 20	•	(AM) (PM)		
<u> </u>										· · · · · · · · · · · · · · · · · · ·	'24		
· 	_	Circle one	Pressure	<u> </u>	OBSERVE	D SURFACE		Tut	i.	Duration of Shut-i	n 24 Hours		
Static / Dynamic Property	tatic / Orifice Meter Differential		lemperature	Temperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		I Pressure P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)			
Shut-In					7. :-				195.4	24	1 2 2		
Flow	- ,					;;;;			; ; ;	·			
- <del></del>			1. 1.1	:	FLOW STR	EAM ATTRIE	UTES		1. '	··	<u>:</u> :		
Plate Coefficient  (F <sub>b</sub> ) (F <sub>p</sub> )  Modd  Circle one:  Meter or  Press Extension  Prover Pressure: psia			Gra Fac	tor	Flowing Deviate Factor Factor F <sub>pv</sub>		otor R (Mcfd)		y GOR (Cubic Fee Barrel)				
-			I K, -12	`. ;.\	.: :	·		75. t. 2	Profit in				
				(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS	.* *. .* ** :	. : (P <sub>a</sub> ) <sup>2</sup>	· · · · · · · · · · · · · · · · · · ·		
$(P_c)^2 = $		: (P <sub>w</sub> ) <sup>2</sup>	<del>.                                      </del>	P <sub>d</sub> ≡	· · · · · · ·	% .; (Р <sub>с</sub>	- 14.4) +	14.4 =	:	(P <sub>d</sub> ) <sup>2</sup>	<u>= 1. 1.1                               </u>		
· ·, or		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2.  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup>		LOG of formula		Backpressure Curve Slope = "n" or Assigned		og 📗	Antilog	Open Flow Deliverability Equals R'x Antilog		
(P <sub>c</sub> )2-(I	d)"	. :	divided by: P 2 - P	and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		d Slope		L <sub>:</sub> J		: (Mcfd)		
1.1	12			1, 1, 1		· · · · · · · · · · · · · · · · · · ·	.* i* :	1,1 1,1 2	12 1				
	·:- ·	·	5 1 1			10.000	<u> </u>		•		·		
Open Flo	w:		Mcfd @ 1	4.65 psia	· : :	. Deliverabili	ity			Mcfd @ 14.65 psia	<u> </u>		
	, .					:	:			ort and that he ha	_ * -		
the facts stated therein, and that said report is true and correct. Executed this the 20 : day of October , 20								, 20 <u>15</u>					
AND THE RESERVE OF THE WORLD WIGHTA													
<del> </del>	, - <sup>r</sup> - 1	Witness	s (if any)		ሰርፕ ሳ ሶ	:ວດ4ຣັ	1	: ;	: For (	Company ;			
.,.		- For Com	nmission		<del>∪61 4</del> 0	2015 —		,	Che	cked by	· ·		

RECEIVED

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		7					
- (	90:30-			,			
	under penalty of pe	· ·				• •	st
exempt status	under Rule K.A.R. 8	82-3-304 on behalf	of the operator	Chesapeake	Operating, L	.L.C.	<u>—</u> ,
and that the fo	oregoing pressure i	information and st	atements cont	ained on thís a	opplication fo	rm are true ar	ıd
correct to the I	best of my knowledg	ge and belief base	d upon availab	le production s	ummaries an	d lease record	ls
of eguipment i	installation and/or up	pon type of comple	tion or upon us	se being made	of the gas we	ll herein name	d.
i hereby re	equest a one-year e	exemption from ope	en flow testing f	for the Brown	3-9		
gas well on the	e grounds that said	well:		e	- 4		
	• • • • • • • • • • • • • • • • • • • •					1 .	
· · (Ch	heck one)			•; •			
. [	is a coalbed m	nethane producer				٠	•
[	is cycled on pi	lunger lift due to w	ater				
· [	is a source of	natural gas for inje	ction into an o	il reservoir und	ergoing ER .		•
. [	is on vacuum a	at the present time	; KCC approva	l Docket No.	· .	···	٠.
[	is not capable	of producing at a	daily rate in ex	cess of 250 mo	of/D		•
;		•	•	·			
, I further a	gree to supply to th	e best of my ability	/ any and all sા	apporting docu	ments deem	ed by Commis	sior
staff as neces	sary to corroborate	this claim for exe	mption from te	sting.			•
		* •					
Date: 10/20/2	2015			ı		·.	
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:		Signature	. Sa	Lacuei	.4		
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			Cana Franc	M. Damilatanie	Amalicat		
		Title	Sara Evere	tt, Regulatory	Analyst		-
		Title	Sara Evere	tt, Regulatory	Analyst		-

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.