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

Type les	t:				(-	See mstruct	ions on Hev	erse Side	,				
= :	en Flo				Test Date					No. 15			
	liverab	y			10/12/2	015			15-	007-22143	-0000		
Company Norstar		oleu	m Inc.				Lease Clarke				2-6	Well Number	
County Location Barber C S2 NW NE			Section 6		TWP 32S			/W}		Acres Attribu	uted		
Field Medicine River			Reservoir Mississippi			V	Gas Gathering Connection West Wichita Gas Gathering						
Completion Date 12/1/86			Plug Back 4320	k Total Dept	h		Packer Set at None			0			
Casing Size Weight 4.5 10.5			t	Internal C 3.95	iameter			Perfo 422	rations 8	то 4240	то 4240		
Tubing Size Weigh 2.375 4.7			Weigh 4.7	<b>!</b>	Internal D 1.995	Diameter	Set at 4255		Perfo	rations	То	То	
Type Completion (Describe) Casing					Type Fluid Production Oil and Water				Pump Unit or Traveling Plunger? Yes / No Pumping			s / No	
	g Thru	(Anı	nulus / Tubing	)	% C	arbon Dioxi	de		% Nitrog	ieu	Gas (	Gravity - G <sub>g</sub>	
Casing Vertical D	Depth(H	1)	i.	ALIIU KANALINI KANALI		Pres	sure Taps				(Mete	r Run) (Prover	) Size
Pressure	Builde	n.	Shut in Octo	ober 11 2	0 15 at 1	1:15	AM) Dem)	Taken Od	tober 1	2 20	15 at 11:15	(AM)	(M)
Well on L		•									at		
						OBSERVE	D SURFACE	DATA			Duration of Shu	<sub>it-in</sub> 24	_Hour
Static / Dynamic Property	/ Orifice Meta		Circle ene: Meter Prover Pressu psig (Pm)	Pressure Differential re in Inches H <sub>2</sub> 0	Flowing Temperature t	Temperature Temperature		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing ead Pressure r (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Prod (Barrel	duced
Shut-In			paig (r iii)	Inches H <sub>2</sub> 0			psig	psia	psig 1	15.7			
Flow											KCC	MICHIL	A
						FLOW STR	EAM ATTRI	BUTES	•		NOV	0 9 2015	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P <sub>m</sub> xh	Extension Fac		Flowing Femperature Factor F <sub>11</sub>	Deviation Factor F <sub>pv</sub>		Metered Flor R (Mcfd)	(Cubici	(Cubic Fee VED Gr Barrel)	
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		/D	12 0 207	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	;	P <sub>d</sub> =		% (P	14.4) +	14.4 = _	:		$\binom{1}{a}^2 = 0.207$ $\binom{1}{d}^2 = \underline{}$	
(P <sub>c</sub> ) <sup>2</sup> - ( or (P <sub>c</sub> ) <sup>2</sup> - (		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2, and divide	P.2- P.2	Slop	sure Curve e = "n" or signed ard Slope		LOG	Antilog	Open Fl Deliverat Equals R x (Mcfd	bility Antilog
				<del>-</del>	-								
Open Flow Mcfd @ 14.65 psia						Deliverability			Mcfd @ 14.65 psia				
The	unders	igne	d authority, or	behalf of the	Company, s	states that h	e is duly au				ort and that he	has knowledge	e of
the facts s	stated t	here	in, and that sa	aid report is true	e and correc	t. Executed	this the 22		day of	October	<i>PM</i>	, <sub>20</sub> <u>1</u>	5
			Witness (i	f any)	· • • • • • • • • • • • • • • • • • • •				sad.	The state of	Эорграни		
			For Comm	Íssion			_		vuo"		cked by		

I declare under penalty of perjury under the laws of the state of Kansas that I a exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Norstar Petroleur	
and that the foregoing pressure information and statements contained on this applicance of the best of my knowledge and belief based upon available production summof equipment installation and/or upon type of completion or upon use being made of the I hereby request a one-year exemption from open flow testing for the Clarke 2-6 gas well on the grounds that said well:	ication form are true and maries and lease records ne gas well herein named.
(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 undergous 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	<u> </u>
I further agree to supply to the best of my ability any and all supporting documents staff as necessary to corroborate this claim for exemption from testing.	nts deemed by Commission
, , , , , , , , , , , , , , , , , , ,	KCC WICHITA
Date: October 22, 2015	NOV 09 2015 RECEIVED
Signature:  Title: Engineer	<u></u>

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.