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

Type Tes	t:				(	See Instruc	tions on Re	verse Side	))				
=	en Flo				Test Date	<b>9</b> ;			AP	l No. 15			
✓ De	liverab	ilty			10/2/15			<u>,                                    </u>	15-	<u>-007-23660-</u>	0000		
Company WOOLS		PER	ATING CO	MPANY, LLC	;		Lease HARBA	UGH GU	I	_	2	Well Numb	er
County BARBER			Location SE SE SE		Section 13		TWP 34S		RNG (E/W) 12W		<i>,</i>	Acres Attri	buted
Field STRANATHAN					Reservoir MISSISSIPPIAN				Gas Gathering Conr ATLAS		ection		
Completion Date 4/21/11					Plug Back Total Depti 5063		h 		Packer Set at NONE				-
Casing Size 4.500			Weight 10.50		Internal Diameter 4.052		Set at		Perforations 4668		то 4860		
Tubing Size 2.375			Weight 4.70		Internal Diameter 1.995		Set at OPEN		Perforations		То		
Type Con		(De	escribe)		Type Flui OIL, W	d Production ATER	1		Pump U PUMF		Plunger? Yes	/ No	
Producing		(Anı	nulus / Tubing	)	% C	Carbon Dioxi	de		% Nitrog	jen	Gas Gra	ıvity - G <sub>e</sub>	
Vertical E	epth(H	)				Pres	sure Taps				(Meter F	lun) (Prove	er) Size
Pressure	Buildu	o: :	Shut in 10/	/15 2	0 at		(AM) (PM)	Taken_10	)/2/15		at	(AM	) (PM)
Well on L	.ine:	:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM	) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-i	n	Hours
Static / Dynamic Property	Orific Size (inche	•	Circle ane: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead I (P <sub>w</sub> ) or (P <sub>c</sub>	Pressure ) or (P <sub>c</sub> )	Wellhe	Tubing ead Pressure r (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Duration Liquid Produc	
Shut-In	.375		poig (i iii)	Mondo 1120			120	psia	480	psia	24		
Flow													
Γ	<del></del>		_			FLOW STR	EAM ATTRI	BUTES					
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient	Pro	Circle one: Meter or ver Pressure psia	Press Extension P <sub>m</sub> x h	Grav Fact F <sub>c</sub>	tor T	Flowing Temperature Factor F <sub>pv</sub> Temperature Factor F <sub>n</sub> Temperature Factor F <sub>pv</sub> Temperature GOR  GOR  GOR  GOR  GOR  GOR  Factor Fa		et/	Flowing Fluid Gravity G <sub>m</sub>			
	ĺ												
					•	DW) (DELIV	•					= 0.207	
(P <sub>c</sub> ) <sup>2</sup> =	<del>-</del>	<u>-:</u>	(P <sub>w</sub> )² =_	Choose formula 1 or 2	P <sub>d</sub> =	<del></del> ?	% (Р <del></del>	<sub>ه</sub> - 14.4) +	14.4 = _	<u>—</u> :	(P <sub>d</sub> ) <sup>2</sup>	<u>=</u>	
(P <sub>c</sub> ) <sup>2</sup> - (F	• I	(P	(P <sub>w</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>g</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>g</sub> <sup>2</sup> (ivided by: P <sub>c</sub> <sup>2</sup> -P <sub>g</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>	Slop	ssure Curve le = "n" or ligned ard Slope	n×	LOG	Antilog	Open Delivers Equals R (Mc	ability x Antilog
					<u> </u>								
Open Flor	<u>w</u>			Mcfd @ 14.	65 psia		Deliverab	lity			Mcfd @ 14.65 psia	<u> </u>	
				behalf of the			-			ne above repo OCTOBER	ort and that he has	s knowledg	=
						Receiv s corporation	/ed		n L	Sall	unde		
			Witness (if	any)			2015 _			For	Company		
			For Commi	ssion						Che	cked by		

CONSERVATION DIVISION WICHITA, KS

exempt status under and that the forego- correct to the best	r penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO, LLC bing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records								
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for the HARBAUGH 2									
gas well on the gro	unds 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								
_	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.								
Date: 10/9/15									
	Signature: John L. Signature:								

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.