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

Type Test	;				(	See Instru	uctio	ons on Rev	verse Side	<del>)</del> )					
Ор	en Flow	,			Test Date	٠.				ΔĐ	l No. 15				
Del	liverabil	lty			5/27/11						007-22778-	0000			
Company WOOLS		ER	ATING CO	MPANY, LLC				Lease MICHEL	L				1	Well Nu	mber
County BARBER	₹		Locati C SW S		Section 18			TWP 34S		RNG (E 11W	/W)			Acres A	ttributed
Field <del>LOCAN</del>	RH	Œ	ES Sou	TH	Reservoir CHERO				-,-	Gas Ga APC	thering Conr	ection			<u> </u>
Completic 11/25/03	n Date			· · · · · · · · · · · · · · · · · · ·	Plug Bac 5272	k Total De	epth			Packer :					
Casing Si 4.500	ze		Weigh 10.50		Internal D 4.052	Diameter		Set a 5530		Perfo 463	orations 2		то 4640		
Tubing Si 2.375	ze		Weigh 4.70	t	Internal D 1.995	Set at 4632			Perforations OPEN			То			
Type Con SINGLE		(De	escribe)		Type Flui WATE	d Product R, OIL	tion			Pump U PUMF	nit or Traveling	g Plung	jer? Yes	/ No	
Producing		(Anr	nulus / Tubing	3)	% C	arbon Dic	oxide	9		% Nitrog	gen		Gas Gr	avity - C	,
Vertical D	epth(H)	)				Pro	essu	re Taps					(Meter	Run) (Pi	over) Size
Pressure	Buildup	);	Shut in5/20	6/11 2	0 at		(.	AM) (PM)	Taken_5/	27/11	20	· (	at	(	AM) (PM)
Well on L	ine:	;	Started	2	0 at		_ (	AM) (PM)	Taken		20	· — ·	at	(	AM) (PM)
						OBSER\	VED	SURFACI	E DATA			Durat	ion of Shut-	in	Hours
Static / Dynamic Property	Orlfic Size (inche	.	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperatu		Cas Wellhead (P <sub>w</sub> ) or (P	Pressure () or (P <sub>e</sub> )	Wellho	Tubing ead Pressure or (P <sub>1</sub> ) or (P <sub>c</sub> )	1	Ouration (Hours)		d Produced Barrels)
Shut-In			pong (i mi)	monos rigo				psig 275	psia	psig 25	psia	24			
Flow								_							
						FLOW S	TRE	AM ATTR	IBUTES						
Plate Coeffieci (F <sub>b</sub> ) (F Mcfd	ient ,)		Circle one: Meter or ver Pressure psia	Press Extension	Grav Fac F	tor		Flowing mperature Factor F <sub>f1</sub>	Fa	viation actor F <sub>pv</sub>	Metered Flo R (Mcfd)	w	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
				<u> </u>	(OPEN FL	OW) (DEL	IVE	RABILITY	CALCUI	ATIONS	<u> </u>	l			
(P <sub>c</sub> )2 =		<u>.</u> :	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> =		_%		P <sub>e</sub> - 14.4) +		:		-	1 <sup>2</sup> = 0.2 1 <sup>2</sup> =	
(P <sub>e</sub> ) <sup>2</sup> - (F or (P <sub>e</sub> ) <sup>2</sup> - (F	•	(P	P <sub>0</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	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>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> -P <sub>a</sub>	LOG of formula 1. or 2. and divide	P.2. P.2		Slor As	ssure Curve pe = "n" - or signed ard Slope	l n x	rod	,	Antilog	Del Equals	en Flow iverability Fl x Antilog (Mcfd)
				•	ļ	<del></del> -						ļ			
Open Flor	L w			Mcfd @ 14	.65 psia			Deliverab	oility		·	Mcfd (	<b>⊉</b> 14.65 ps	] ia	
		nec	d authority o	n behalf of the		states that	t he			n make t	he ahove ren				ledge of
			•	aid report is tru	•			•			DECEMBER				CEIVED
<b></b>			Witness (i	! any)			_	_		Who		Company	agh		
			***************************************				_					Jun Paris		שבנ	3 0 2011
			For Comm	vission							Ch	ecked by	K	CC	WICHITA

exempt status un and that the fore correct to the bes of equipment ins	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC going pressure information and statements contained on this application form are true and t of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the MICHEL 1
gas well on the g	rounds that said well:
(Chec	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
-	e to supply to the best of my ability any and all supporting documents deemed by Commissic y to corroborate this claim for exemption from testing.
Date: 12/20/11	· · · · · · · · · · · · · · · · · · ·
	Signature:
	Title: FIELD MGR.

## 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.