KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Instr	ucti	ons on Rev	erse Side)						
□ Ор	en Flo	W				Tool Date					Α.	DI Na	45				
Deliverabilty				9/11/12	Test Date: 9/11/12				API No. 15 15-007-22778-00-00								
Company		PER	ATING CO	MP	ANY, LLC			-	Lease MICHEL	-					1	Well N	umber
County Location				Section			TWP	RNG (E/W)					Acres Attributed				
BARBER C SW SE							34S 11W							RECEIVE			
RHODES SOUTH					CHERO	Reservoir CHEROKEE				Gas Gathering Connection ATLAS						RECEIVE PEC 05 20	
Completion Date 11/25/03				Plug Bacl 5272		epti		ОИ			acker Set at IONE			KCC WICHI			
Casing Si 4.500	ize		Weigh 10.50		Internal 4.052		Diameter		Set at 5530		Perforations 4632			+010			C WICH
Tubing Si 2.375	Z Q	Weight 4.70				Internal D 1.995	Internal Diameter 1.995		Set at 4719		Perforations OPEN				То		
Type Completion (Describe) SINGLE						Type Fluid Production WATER, OIL				Pump Unit or Traveling Plunger? \ PUMPING					es / No		
Producing TUBING	•	(Anr	nulus / Tubin	g)		% C	arbon Di	oxic	de		% Nitro	ogen			Gas G	ravity -	G _g
Vertical D 4632	epth(H	I)					Pr	ress	ure Taps						(Meter	Run) (F	Prover) Size
Pressure	Buildu	p: -	Shut in	1/1	12 2	0 at			(AM) (PM)	Taken 9/	12/12		20	a	t		(AM) (PM)
Well on L	ine:		Started		2	0 at		_	(AM) (PM)	Taken			20	a	ıt		(AM) (PM)
							OBSER	VE	D SURFACE	DATA				Durati	on of Shut	-in	Hours
Static / Dynamic Property	ynamic Size		9 Prover Pressi		Pressure Differential in Inches H ₂ 0	ifferential Flowing Temperature		ad ure	Casing Welthead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Press (P _w) or (P _t) or (ressure or (P _c)	Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			, , ,		2				psig 180	psia	55	psig psia 5		24			
Flow															-		
				_		1	FLOW S	TR	EAM ATTRI	BUTES							
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension	Grav Fact F _c	iy _{To}		Flowing emperature Factor F ₁₁	Fa	riation actor = pv	tor R		w GOR (Cubic Fe Barrel)		et/	Flowing Fluid Gravity G _m
(P _c) ² =			(P _w) ² =	=	•	(OPEN FL		LIVI %	ERABILITY)	CALCUL 2 - 14.4) +					(P _a (P _d	$0^2 = 0.$ $0^2 = 0.$	207
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2: 1. $P_c^2 - P_e^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$		LOG of formula 1. or 2. and divide	P _c ² -P _w ²		Backpressure Curve Slope = "n" or Assigned Standard Slope		, n	× LOG	roe		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow Mcfd @ 14.65 psia							Deliverab			sia							
		-	d authority, o			- •			•		day of	NOV	bove repo EMBER	rt and	that he h		wledge of 20 <u>12</u>
*			Witness	(if any	y)			-	_		ri k	- 5/	For C	ompany	<u> </u>		
			For Com	nissio	חכ			-	_				Chec	ked by			

	er 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
correct to the bes	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
	rounds 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.
\checkmark	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 Commission y to corroborate this claim for exemption from testing.
Date: 11/28/12	
	Signature: Wn & Sallanger 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.