KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(See Instruc	ctions on Rev	erse Side)				
Open Flow Deliverabilty				Test Date 9/25/14	Test Date: 9/25/14				No. 15 007-23297-0	00-00			
Company		PEF	RATING COM	//PANY. LLC			Lease Z BAR C	ATTLE	COMPA	NY	7 V	Vell Nur	nber
County BARBER		Location NE NE			Section 30		TWP 34S	TWP 34S		W)	Acres Attributed		ttributed
Field AETNA		112112		Reservoir MISSISSIPPIAN					nering Connection				
Completion Dat 7/7/08		te			Plug Back Total Depth 5403		oth	Packer S NONE		Set at			
Casing Size 4.500		Weight 10.50			Internal Diameter 4.052			Set at 5445		rations 8	To 4862		
Tubing Size 2.375		Weight 4.70			Internal Diameter 1.995		Set at 4909		Perforations OPEN		То		
Type Completion (escribe)	Type Fluid Production WATER		on			nit`or Traveling 'ING	g Plunger? Yes / No			
Producing		(An	nulus / Tubing)	% Carbon Dioxid		ride	e % Nitroger		en	Gas Gravity - G _g		
Vertical D	epth(H	1)				Pres	ssure Taps				(Meter P	Run) (Pr	over) Size
Pressure	Buildu	p:	Shut in 9/24	·/14 2	0 at		. (AM) (PM)	Taken_9/	25/14	20	at	(/	
Well on L	ine:		Started	2	0 at	. <u></u>	_ (AM) (PM)	Taken		20	at	(AM) (PM)
					•	OBSERVI	ED SURFACE	DATA		·	Duration of Shut-i	n	Hours
Static / Dynamic Property	Orifi Siz (inch	е	Circle one: Meter Prover Pressul psig (Pm)	Pressure Differential in Inches H ₀ 0	Flowing Temperature t	Temperature Temperature (P.		 		Tubing ad Pressure (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In				2			200	рак	230	polu	24		
Flow							DEAM ATTE	DUTEO					
	ı		Circle one:		<u> </u>	FLOW ST	REAM ATTRI	BUIES					Elewing
Plate Coeffiecient (F _b) (F _p) Mofd		Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Grav Fac F	tor	Flowing Temperature Factor F _{ft}	Fa	ation Metered Flor ctor R (Mcfd)		w GOR (Cubic Fee Barret)	et/	Flowing Fluid Gravity G _m
ı													
					•	, ,	VERABILITY)				_	= 0.20)7
$(P_c)^2 = $		<u> </u>	(P _w) ² =_	Choose formula 1 or 2	P _d =			· 14.4) +		 ;	(P _d)²	=	
(P _c) ² - (I or (P _c) ² - (I		(F	P _c)²- (P _w)²	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ (ivided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2. and divide	P _c ² -P _w ²	Slop Ass	sure Curve e = "n" or ligned ard Slope	n x	LOG	Antilog	Deli Equals	en Flow verability R x Antilog Mcfd)
							· -					-	-
Open Flo	w			Mcfd @ 14.	.65 psia		Deliverabi	lity			Mcfd @ 14.65 psi	a	
		-	d authority, on in, and that sa								ort and that he ha		edge of 20 <u>14</u> .
			Witness (if			Recei	ro d	W/m		Much	Company		
			For Commi				ON COMMISSION				cked by		
			i oi Commi		Ĺ	JEC 3 1	ZU14			Olle	,		

CONSERVATION DIVISION WICHITA, KS

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC and that the foregoing pressure information and statements contained on this application form are true and correct to the best 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 Z-BAR 7 gas well on the grounds 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 I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: 11/17/14 Signature: Win & Hallaugh
Signature: Win & Vallaufi

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.