KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

·	: en Flo liverab				Test Date		tructi	ons on Rev	rerse Side	API	No. 15					
Company					10/1/15			15-007-20758-00-0					-0 U Well Number			
WOOLSEY OPERATING COMPANY, LLC								Z BAR CATTLE COMPANY				4	<u>.</u>			
County BARBER	₹	Location SE SW		Section 30			TWP 34S		RNG (E/	vv)		А	cres A	ttributed		
Field AETNA					Reservoir MISSIS		Ň		•	Gas Gati ONEO	ection					
Completic 7/12/79	on Dat	e			Plug Bac 4937	Plug Back Total Depth 4937			Packer Set at NONE							
Casing St 4.500	ize		Weight 10.50	Internal Diameter 4.052			Set at 4968		Perforations 4670		то 4866					
Tubing Si 2.375	ze		Weight 4.70		Internal Diameter 1,995				Set at Perfo 4917 OP		ations N	T	Ö			
Type Completion (Describe) SINGLE					Type Fluid Production WATER				-	Pump Un PUMP	it or Traveling ING	Plunger?	Yes /	' No		
Producing	-	nulus / Tubing)	% Carbon Dioxide			le	% Nitrogen			Gas Gravity - G					
Vertical D		1)			Pressu			re Taps				(1	Meter R	un) (Pro	over) Size	
Pressure	Buildu	p:	Shut in9/30)/15 2	0at(/			AM) (PM) Taken 10/1/15			20	at		(/	AM) (PM)	
Well on L	ine:		Started	2	20 at (AM) (PM) Taken 20			at	· -	(/	AM) (PM)	
OBSERVED SURFACE DATA											Duration o	f Shut-ii	١	Hours		
Static / Dynamic Property	Size		Circle one: Meter Prover Pressur psig (Pm)		Temperature Temp		Casin Wellhead F (P _w) or (P _t		Pressure) or (P _c)	Wellher (P _w) or	ubing ad Pressure (P ₁) or (P _c)	Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	.375		psig (Fill)	Inches H ₂ 0				psig psia 90		psig psia 320		24				
Flow	Flow									,						
						FLOW	STRE	EAM ATTRI	BUTES							
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Gravity Factor F _B		Flowing Temperature Factor F _{I1}			ation ctor pv	Metered Flov R (Mcfd)		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G _m	
			_													
(P _c) ² =		:	(P ")² ⊭_	:	(OPEN FLO	OW) (DE	LIVE	:RABILITY) . (P	CALCUL 2 - 14.4) +		:		(P _a) ² (P _d) ²	= 0.20 =	7	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	P _a) ² - (P _w) ²	Thoose formula 1 or 2 1. $P_c^2 - P_d^2$ 2. $P_c^2 - P_d^2$ fivided by: $P_c^2 - P_d^2$	LOG of formula 1, or 2. and divide		Backpre'Sk		ssure Curve e = "n" or signed ard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow			Mcfd @ 14.65 psia					Deliverabi	lity		Mcfd @ 14.65 psia					
					,	data - 4E:				- mal #-					ndan of	
		_	=	behalf of the	and correc	t. Execu	ited t	-			CTOBER	and that	ne nas		o <u>15</u> .	
			Witness (if	any)	KAN				RON FFE	<u>~ ~ y</u>	orc	Company				
			For Commi	ssion		- OCT	-1	6 2015-			Che	cked by				

ŝ 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 $\underline{Z-BAR4}$ 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: 10/9/15 Signature: Im Dhllangh 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.