Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:			(See Instruc	tions on Rev	erse Side	·)					
Open Flow													
Deliverabilty			Test Date 9/25/14			API No. 15 15-007-22566-00-01							
Company WOOLSEY OPERATING COMPANY, LLC				· · · · · ·		Lease Z BAR C					Well Number		
County Location BARBER NE SW NW		•	Section 8		7VP RNG (E. 34'S 14W		W)	Acres Attributed					
Field AETNA			Reservoi MISSIS	SIPPIAN		Gas Gathering Conn. ONEOK FIELD SE							
Completion Date 1/18/06			Plug Bac 5183	k Total Dept	th	Packer Set at NONE							
		Weig! 10.5(Internal Diameter 4.052		Set at 5204		Perforations 5160		то 5180			
Tubing Size 2.375		Weight 4.70		Internal Diameter 1.995		Set at 5179		Perforations OPEN		То			
Type Completion (Describe) SINGLE			_	Type Flui WATE	d Production	n	Pump Unit or PUMPING			veling Plunger? Yes / No			
Producing Thru (Annulus / Tubing) ANNULUS			% C	arbon Dioxi	de	% Nitrogen		en	Gas Gravity - G _g		Ìa		
Vertical Depth(H)				Pres	sure Taps	re Taps			(Meter)	Run) (Pr	over) Size		
5170		0/2	24144				0.6	05/4/4					
Pressure Buildup										at (AM)			
Well on L	ine: 	Started	2	20 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
r 					OBSERVE	D SURFACE	DATA	ı		Duration of Shut-	in	Hours	
Static / Orifice Dynamic Size Property (inches		Meter Prover Press	Pressure Differential ure in Inches H ₂ 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In						180	рока	290	рэіц	24		_	
Flow						<u></u>				_			
	<u> </u>		_		FLOW STR	EAM ATTRI	BUTES	- 1					
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psla	Press Extension P _m x·h	Grav Fac F	tor T	Flowing Femperature Factor	Fa	ation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m	
/D \2		· (D)2 -		•		ERABILITY)				(P _a)	²= 0.20)7	
(P _c) ² =			Choose formula 1 or 2				sure Curve	14.4 =	<u> </u>	(1 d/			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$ divided by: $P_c^2 - P_a^2$		LOG of formula 1. or 2. and divide by:		Slope = "n" or Assigned Standard Slope		n x LOG		Equals R		en Flow verability R x Antilog Mcfd)	
			<u>w</u>		·		_						
										·			
Open Flov	<u>~</u>		Mcfd @ 14	.65 psia		Deliverabil	ity	_		vlcfd @ 14.65 psi	a		
	Ü	•	n behalf of the aid report is tru			,			e above repor	t and that he ha	s knowl	Ū	
nic idola Si	iaiou III6	reni, anu illat S	and report is the					O	21 00	\bigcap	, '	.0	
		Witness ((If any)		RO CANSAS CORPO	ORATION COMM	USSION		Hellaw For 9	mpany			
		For Comm	nission		DEC	3 1 2014			Chec	ked by			
					COMOCOLO	ATTION 4							

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 6
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.
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.