## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Test:						(•	See Instr	uctions	on Reve	rse Side	)					
= '	en Flov					Test Date	<b>:</b> :					No. 15				
Del	iverabi	ilty				8/6/12					15-	077-20539-0	00-00			
Company WOOLSEY OPERATING COMPANY, LLC						Lease McKAIG						#1	Well N	lumber		
County Location HARPER 115 S, C SE				Section 20			TWP 32S		RNG (E/W) 8W			Acres Attributed				
Field SULLIVAN EAST					Reservoir STALNA			Gas Gathering Conn WEST WICHITA G			ection RE( AS GATHERING		RECEIV DEC U 5 CC WICH			
Completion Date 9/26/79					Plug Back Total Depth 3700					Packer Set at NONE				DEC 05		
Casing Size 2.875			Weigl 6.50	Weight 6.50			Internal Diameter 2.441			Set at 3828		rations 2	To 3694	то 3694 <b>К</b> (		
ubing Si	ze		Weig 2.75	Internal Diameter 1.610			Set at 3720		Perforations OPEN		То	•				
Type Completion (Describe) SINGLE					Type Fluid Production WATER					Pump Unit or Traveling Plunger? Yes / No PUMPING						
	Thru	(Anr	nulus / Tubir	ıg)		% C	arbon Di	oxide			% Nitrog	gen	Gas	Gravity -	G <sub>g</sub>	
ertical D		l)					Pi	ressure	Taps				(Mete	er Run) (l	Prover) Size	
686 Pressure	Buildo	n· (	Shut in 8/6	5/12	21	n at		(AN	1) (PM) T	- <sub>aken</sub> 8/	7/12	20	at		(AM) (PM)	
Vell on Li		•											at			
	•						OBSER	IVED SI	URFACE	DATA			Duration of Sh	ut-in	Hours	
tatic / Orific		Meter Prover Pressu		Ď	Pressure ifferential in	Flowing Temperature t	Well Hea	۷ إمين	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>o</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liq	Liquid Produced (Barrels)	
Property Shut-In	·		psig (Pm)		iches H <sub>2</sub> 0			60	psig	psia	psig 10	psia	24			
Flow				Ť				-			"		27			
				<u>l_</u>			FLOW S	STREAM	M ATTRIE	BUTES						
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure psia			Press Extension √ P <sub>m</sub> xh		Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>ft</sub>		riation actor = pv	Metered Flor R (Mcfd)	w GC (Cubic Barı	Feet/	Flowing Fluid Gravity G <sub>m</sub>	
	1					(OPEN FL	OW) (DE	LIVERA	(BILITY)	CALCUL	ATIONS			$(a^2)^2 = 0$	207	
(c)2 =		_:	(P <sub>w</sub> ) <sup>2</sup>		:	P <sub>d</sub> =		%	(P <sub>c</sub>	- 14.4) +	14.4 = _	:		P <sub>d</sub> ) <sup>2</sup> =	· <u>···</u>	
$(P_o)^2 - (P_a)^2$ or $(P_o)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. 2.	1. P <sub>o</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>o</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 4. LOG of formula 2. P <sub>o</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 4. nor 2. and divide by: P <sub>o</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> 5. and divide		P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	2	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antiloa De		Open Flow eliverability als R x Antilog (Mcfd)	
) no = = 1					امتما ڪ ء ء	GE nois			adiya-b"	ita			Mofd @ 14.65	neic		
pen Flo			4 - 4) - 4		lcfd @ 14.				eliverabil			de a le serve es	Mcfd @ 14.65			
		-	•			· ·			the _28		day of _	NOVEMBER	ort and that he		, 20 <u>12</u> .	
			Witness	(if any)				_	-6	ALINI.		rements	Company			
			For Com	mission					_			Che	ecked by			

exempt status and that the f correct to the of equipment	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC oregoing pressure information and statements contained on this application form are true and best of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. equest a one-year exemption from open flow testing for the McKAIG #1 e grounds that said well:
<i>(CI</i>	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
	gree to supply to the best of my ability any and all supporting documents deemed by Commission sary to corroborate this claim for exemption from testing.
Date: 11/28/1	
	Signature: Jahn Wallaus  Title: FIELD MGR.
	ille

## 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.