## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type test					(	500 INSTRUCT	ions on mev	erse Side	, 15-	677-2	20539(	$\mathfrak{M}$	)	
	en Flor liverab				Test Date 12/6/10	:			API	No. 15	-			
Company WOOLSEY OPERATING COMPANY, LLC					Lease McKAIG		<del>-</del> -		#1	Well Nu	ımber			
County HARPER			Location 1320 FS	on L & 1320 fel	Section 20		TWP 32S		RNG (E/W) 8W		Acres Attributed		Attributed	
Field SULLIVAN			Reservoir STALNAKER			Gas Gathering Connection APC								
Completion Date 9/26/79			Plug Back Total Depth 3700			Packer Set at NONE								
Casing Size 2.875			Weight 6.50		Internal Diameter 2.441		Set at 3828		Perforations 3652		To 3694	То 3694		
Tubing Size 1,500			Weight 2.75			Internal Diameter 1.610		Set at 3720		Perforations OPEN				
Type Completion (Describe) SINGLE				Type Flui	Type Fluid Production WATER			Pump Unit or Traveling Plunger? Yes / No PUMPING						
Producing	•	(Anı	nulus / Tubing	i)	% C	arbon Dioxi	de		% Nitrog		Gas G	ravity - (	G <sub>0</sub>	
Vertical C		1)		<u></u> .		Pres	sure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildu	<b>p</b> :	Shut in	5/10 2			(AM) (PM)	Taken_12	2/6/10	20	at		(AM) (PM)	
Well on L	.ine:										at			
						OBSERVE	D SURFACE	DATA			Duration of Shu	t-in	Hou	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	emperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>c</sub> ) psig psia		ubing ad Pressure (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)		id Produced Barrels)	
Shut-In				-			90	para	psig 10	paia	24			
Flow														
						FLOW STR	EAM ATTRI	BUTES						
Plate Coefflecient (F <sub>b</sub> ) (F <sub>p</sub> ) Motd		Pro	Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> xh	Extension Fact		Flowing Femperature Factor F <sub>rt</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
					(ODEN EL	000 (DE) 0	CDARUITY)	CALCUI	ATIONE	<del></del>			ļ	
(P <sub>c</sub> )² =		_:	(P <sub>w</sub> ) <sup>2</sup> =	:	P <sub>d</sub> =		ERABILITY) % (P		14.4 =	:		$)^2 = 0.2$ $)^2 = $	207	
$(P_o)^2 - (P_a)^2$ or $(P_o)^2 \cdot (P_d)^2$		(P <sub>0</sub> ) <sup>2</sup> - (P <sub>4</sub> ) <sup>2</sup>		Choose formula 1 or 2  1. P <sub>o</sub> <sup>2</sup> - P <sub>o</sub> <sup>2</sup> 2. P <sub>o</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>o</sub> <sup>2</sup> - P <sub>o</sub>	LOG of formula 1, or 2, and divide	P <sub>c</sub> <sup>2</sup> · P <sub>w</sub> <sup>2</sup>	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	De Equal:	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow Mcfd @ 14.6				.65 psia	5 psia Deliverability			Mcfd @ 14.65 psia						
				n behalf of the					day of D	ECEMBER	ort and that he h		eledge of 20 10	
			Witness (i	fany)			_		Wr	For	Dompany			
			For Comm	ission			_			Che	cked by		<u> </u>	

exempt status und and that the fore correct to the bes	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 tof 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.										
I hereby request a one-year exemption from open flow testing for the McKAIG #1											
	ounds that said well:										
_	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 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.										
	Signature: Wm Lallaya.  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.