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

Type Tes	t:				(	See Instruct	tions on Re	verse Side	)					
Open Flow					Test Date: API No. 15									
Deliverabilty					11/24/10				15-097-20359-0000					
Company WOOLSEY OPERATING COMPANY, LLC					Lease MANKE			Ē	#1			Well Number		
County Location KIOWA 2310 FSL & 2310 FEL				Section 6		TWP 29S			V)		Acres A	ttributed		
Field PLEASE	ENT V	'ALL	EY		Reservoi					ering Conne			<del> </del>	
Completion Date 1/15/83				Plug Bac 5170	k Total Dept	th	_	Packer Se NONE	et at			<del></del>		
Casing Size 4.500			Weight 10.50		Internal Diameter 4.052		Set at 5179		Perforations 5056		то 5094		<del></del>	
Tubing S 2.375	ize		Weigh 4.70	it	Internal Diameter 1.995		Set at 5169		Perforations OPEN		То		· · · · · · · · · · · · · · · · · · ·	
Type Completion (Describe) SINGLE				Type Flui WATE	d Production	n	•	Pump Unit or Travelin		Plunger? Yes	/ No			
Producing Thru (Annulus / Tubing) ANNULUS					% Carbon Dioxide				% Nitroge	in .	Gas Gravity - G			
Vertical D	Depth(I	<del>1</del> )	•••	<del></del>		Pres	sure Taps		· · · · · · · · · · · · · · · · · · ·		(Meter	Run) (Pr	over) Size	
Pressure	Buildu	ıp:	Shut in 11/	23/10	0 at		(AM) (PM)	Taken 1	1/24/10	20	at	(/	AM) (PM)	
Well on L	ine:		Started							20	at	(	AM) (PM)	
						OBSERVE	D SURFAC	E DATA		·	Duration of Shut	-in	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential in inches H <sub>2</sub> 0	Flowing Well Head Temperature t t		(P <sub>*</sub> ) or (P <sub>1</sub> ) or (P <sub>6</sub> )		Tubing Welthead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>0</sub> )		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	hut-In			2			psig 26	psia	psig psia		24			
Flow			<u> </u>		_									
Black	_		Circle one:		1	FLOW STR	Flowing	IBUTES		<del></del> .				
Plate Coefflecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Meter or over Pressure psia	Press Extension Pmxh	Grav Fac F	tor 1	Temperature Factor		iation ctor <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	9 <b>0</b> 1/	Flowing Fluid Gravity G <sub>m</sub>	
	_		·		<u> </u>									
(P <sub>c</sub> ) <sup>2</sup> =			(P <sub>w</sub> ) <sup>2</sup> =		•	OW) (DELIV		•			_	$)^2 = 0.20$	)7	
$(P_{o})^{2} - (P_{a})^{2}$ or $(P_{c})^{2} - (P_{d})^{2}$		(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1, or 2.	P <sub>2</sub> . P <sub>w</sub> <sup>2</sup>	Backpressure Curve Slope = "n"  Assigned			og D	(P <sub>d</sub> )	Op- Dell	en Flow verability R x Antilog	
				divided by: Pg2 - Pg2	by:	<u>''°''</u>	Stand	lard Slope				(	Mcfd)	
												<u> </u>		
Open Flow Mcfd @ 14.6				65 psia		Deliveral	Deliverability		Mcfd ♥ 14.65 psia					
				n behalf of the						above repor	rt and that he ha		edge of	
	_		Witness (	f any)					<u>ں ،</u>	Force	ompany	<b>SE</b>	JEIVED	
	•		For Comm	ission			-			Chec	ked by	-DEC	2 2 201	

exempt status under and that the foregonet to the best of equipment instance.  I hereby reque	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records llation and/or upon type of completion or upon use being made of the gas well herein named. st a one-year exemption from open flow testing for the MANKE #1
_	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 to supply to the best of my ability any and all supporting documents deemed by Commission 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.