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

Type Test	:				(	See Instru	uctions o	n Rev	verse Side	·)					
□ Ор	en Flo	w			Test Date					No. 15				_	
Deliverabilty					5/30/11					15-6	<del>907-21390-</del>	<del>0000-</del> D	33 <i>-2</i>	139	4-00-6
Company		PER	ATING CO	MPANY, LLC	;		Lea Mo	ase :MOR	RAN		- "		4	Well Nu	mber
County Location COMANCHE N/2 NW SWIENW				Section 8					RNG (E/ 16W	W)	Acres Attributed				
Field YELLOWSTONE NORTH						Reservoir MISSISSIPPI/WARSAW				Gas Gathering Connection ONEOK FIELD SERVICES					
Completion Date 1/17/05				Plug Bac 5519	Plug Back Total Depth 5519				Packer Set at NONE						
Casing Si 4.500	asing Size Weight 500 10.50				Internal 0 4.052		Set at 5519			rations	To 5306				
Tubing Si 2.375				nt	Internal E 1.995		Set at 5375		Perfor	rations N	То				
Type Completion (Describe) SINGLE				• •	Type Fluid Production WATER				Pump Unit or Traveling Plunger? Yes / No PUMPING						
Producing Thru (Annulus / Tubing) ANNULUS				% C	% Carbon Dioxide				% Nitrog	en		Gas Gravity - G <sub>q</sub>			
Vertical D	epth(ł	H)				Pre	essure Ta	aps			•		(Meter f	Run) (P	rover) Size
Pressure	Buildu	ıp:	5/2 Shut in	9/11 2			(AM)	(PM)	Taken_5/	30/11	20	at .			(AM) (PM)
Well on L	ine:			2											
						OBSER\	/ED SU	RFACI	E DATA		<del></del>	Duration	ı of Shut-	in	Hours
Static / Dynamic Property	Siz	Orifice Size Prover Pre		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	erature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Welthead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrets)	
Shut-In			paig (r iii)	mones 11 <sub>2</sub> 0			520		psia	psig 120	psla	24			
Flow															
				<del>,</del>		FLOW ST	TREAM	ATTR	IBUTES	<del></del> 1		<del></del>	<u>.                                    </u>		
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mctd		Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Gravity Factor F <sub>a</sub>		Tempera Facto	Flowing Temperature Factor F <sub>11</sub>		iation actor = pv	Metered Flo R (Mcfd)	y GOR (Cubic Fe Barrel)			Flowing Fluid Gravity G <sub>m</sub>
													<del></del>		
(P <sub>e</sub> ) <sup>2</sup> =			(P <sub>w</sub> ) <sup>2</sup> =		(OPEN FL	, ,	IVERAB %		) CALCUL 2 - 14.4) +				(P <sub>a</sub> ) (P <sub>a</sub> )	$r^2 = 0.2$	07
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_a)^2$		· (F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. Pc Ps  2. Pc Pd  divided by: Pc Ps	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" Assigned Standard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
											<u> </u>				
Open Flor	w			Mcfd @ 14	.65 psia		Del	iverab	ility			Mcfd @	14.65 psi	ia	
		•	•	n behalf of the aid report is tru				•			e above repo	ort and th	nat he ha		ledge of 20 <u>11</u>
					w <u>-</u>			_		esn		alla	y h	REC	EIVED
			Witness (				-	_				Company	<u> </u>	DEC :	3 0 2011
			For Comm	nission							Che	cked by		_	_

exempt status under and that the foregoin correct to the best of of equipment installa	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC ng pressure information and statements contained on this application form are true and my knowledge and belief based upon available production summaries and lease records tion and/or upon type of completion or upon use being made of the gas well herein named. a one-year exemption from open flow testing for the McMORAN 4
is is I further agree to	a coalbed methane producer cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER on vacuum at the present time; KCC approval Docket No not capable of producing at a daily rate in excess of 250 mcf/D supply to the best of my ability any and all supporting documents deemed by Commission of corroborate this claim for exemption from testing.
	Signature: Win R Shillay C.  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.