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

Type Test					(	See Instruc	ctions on Rev	rerse Side	)			
	en Flo				Test Date					No. 15		
	liverat	outy			08/25/1	3			15-0	33-21410-0		
Company WOOLS		PEF	RATING CO	MPANY, LLO			Lease McMOR	AN			5	Well Number
County Location COMANCHE N/2 SW SW				Section 8			TWP 35S		RNG (E/W) 16W		Acres Attributed	
Field YELLOWSTONE NORTH						SIPPIAN			Gas Gathering Connection APC/ONEOK FIELD SE			
Completion Date 12/20/04				Plug Bac 5551	k Total Dep	oth		Packer Set at NONE				
Casing S 4.500			Weight 10.50		4.052			Set at 5551		ations	то 5446	
Tubing Si 2.375	ubing Size			Weight 4.70		Internal Diameter 1.995		Set at 5446		ations N	То	
Type Completion (Describe)					d Productio			Pump Unit or Traveling Pl PUMPING		Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing) ANNULUS						% Carbon Dioxide						ravity - G
Vertical D		<del></del>				Pres	ssure Taps	- <u></u> -			(Meter	Run) (Prover) Size
Pressure	Buildu	ıp:	Shut in _08/	25/13	20 at	•	(AM) (PM)	Taken 08	3/26/13	20	at	(AM) (PM)
Well on L	.ine:		Started							20	at	(AM) (PM)
						OBSERV	ED SURFACE	DATA	,		Duration of Shut	inHours
Static / Dynamic Property	namic Size		Circle one:  Meter Prover Press psig (Pm)	Pressure Differential ure in Inches H,0	Temperature	Temperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		ubing ad Pressure (P <sub>t</sub> ) or (P <sub>c</sub> ) psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In							80	ран	psig 100	para	24	
Flow					<u>.</u>		<u> </u>					
		_		<u></u>		FLOW ST	REAM ATTR	BUTES	<del>-</del> <sub>+</sub>			
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Extension Fact		Flowing Temperature Factor F <sub>ft</sub>	Factor		Metered Flov R (Mcfd)	GOR (Cubic Fe Barrel)	[ Gravity
									_			
P.) <sup>2</sup> =		:	(P)²=	: :	(OPEN FL P <sub>d</sub> =		VERABILITY) % (P	CALCUL - 14.4) +		:		$r^2 = 0.207$ $r^2 = \frac{1}{1000}$
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1.		Choose formula 1 or  1. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> divided by: P <sub>a</sub> <sup>2</sup> - P	2: LOG of formula 1, or 2, and divide	Backpres Slop		ssure Curve be = "n" or signed ard Slope	n x I	.og [ ]	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
					-							
0				N-21-0-	105							<u> </u>
Open Flo		-	<u> </u>	Mcfd @ 14			Deliverab				Mcfd @ 14.65 ps	
				on behalf of the aid report is tru							rt and that he ha	as knowledge of
			, with that 3	and roport to tit			2 1110 1110		Im R	1/ -	and a	
			Witness	(if any)			_			For	тралу	KCC WICH
			For Comr	nission			_		·	Chec	ked by	DEC 18 20

	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request tus under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC
and that th	e foregoing pressure information and statements contained on this application form are true and
of equipme	the best of my knowledge and belief based upon available production summaries and lease records and installation and/or upon type of completion or upon use being made of the gas well herein named.  By request a one-year exemption from open flow testing for theMcMORAN 5
	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
	er agree to supply to the best of my ability any and all supporting documents deemed by Commission cessary to corroborate this claim for exemption from testing.
Date: <u>12/0</u>	9/13
	Signature: Wm l Hallaugh
	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.