KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				6	See Ins.	tructi	ions on Re	verse Sid	e)						
Open Flow					Test Date	:				AF	'l No. 15					
Del	iverab	ilty			9/10/14					15	-007-22269	-00-0	00			
Company WOOLS		PER	ATING CON	MPANY, LLC				Lease OAKES	Α				3	Vell Nu	mber	
County BARBER			Locatio W/2 NW	Section 4					RNG (E 13W	RNG (E/W) 13W		A	Acres /	Attributed		
Field AETNA					Reservoir MISSIS	oir ISSIPPIAN				Gas Gathering Cor APC		nectio	on			
Completic 11/13/69		3			Plug Back Total Depth 5108			h			Packer Set at NONE					
Casing Size 4.500			Weight 10.500	Internal Diameter 4.052			Set at 518			Perforations 4936		то 4968				
Tubing Si 2.375	zė		Weight 4.70		Internal Diameter 1.995		r	Set at 5038			Perforations OPEN		То	•		
Type Completion (De			escribe)	Type Fluid Production OIL,WATER					Pump U		ıg Plu	inger? Yes	/ No	-		
Producing Thru (Annulus /			nulus / Tubing)	% Carbon Dioxid			de	e %		% Nitrogen		Gas Gravity - G _g			
Vertical D 4952)				i	Press	sure Taps					(Meter F	Run) (P	rover) Size	
<u>-</u>	Buildu	p: -	Shut in9/9/	14 20	at			(AM) (PM)	Taken_9	/10/14	2	o	_at		(AM) (PM)	
Well on L	ine:	;	Started	20	at			(AM) (PM)	Taken		2	۰ _	_ at		(AM) (PM)	
	_					OBSE	RVE	D SURFAC	E DATA			Du	ration of Shut-	iņ	Hours	
Static / Dynamic Property	mic Size		Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential . re in Inches H _o 0	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		(P _w)	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	In		P			-		178	psia	psig 50	psia	24				
Flow									_							
						FLOW	STR	EAM ATTR	IBUTES				<u> </u>			
Plate Coeffiecient (F _b) (F _p) Mofd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Grav Fac F	tor Te		Flowing emperature Factor Fr		viation actor F _{pv}	Metered Flow R (Mcfd)		GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m	
		-						-						_		
P_)2 =			(P _w) ² =_		(OPEN FL	OW) (DI		ERABILITY % (I	•				(P _a); (P _a);	² = 0.2 ² =	207	
$(P_c)^2 - (P_b)^2$ or $(P_e)^2 - (P_d)^2$		(P _a) ² - (P _w) ²		Choose formula 1 or 2: 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ tivided by: $P_c^2 - P_g^2$	LOG of formula 1. or 2. and divide		2	Backpressure Curve Slope = "n" or Assigned Standard Slope		re n x	n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
									_							
														<u> </u>		
Open Flo				Mcfd @ 14.6		-		Deliverat	•	-			d @ 14.65 psi			
		_	-	behalf of the (the above reported	ort a	and that he ha		ledge of 20 14 .	
			,						-	Wies	1 di	all	DRE MANSA	R	eceived DRATION COMMI	
			Witness (if	any)			_	•	·	- 127	Fo	r Comp	any		• • • • • • • • • • • • • • • • • • • •	
			For Commi	esion			_	-	_		C	necked		UL.L	<u>22 2014</u>	

	der 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
and that the fore correct to the bes of equipment inst I hereby requ	going pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records tallation and/or upon type of completion or upon use being made of the gas well herein named. Lest a one-year exemption from open flow testing for the OAKES A-3 rounds that said well:
I further agre	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 ee to supply to the best of my ability any and all supporting documents deemed by Commission ry to corroborate this claim for exemption from testing.
Date: 10/15/14	
	Signature: Work Hallagh. 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.