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

Type Test	:					(-	See Instruc	tions on Re	verse Side	9)					
Open Flow				Test Date				API	No. 15						
De	liverab	ilty				08/07/13					07-21211-	000			
Company WOOLS		PER	ATING CO	MF	ANY, LLC			Lease ALLEN					1	Well Nu	mber
County BARBER			Locat 180 W		w sw	Section 33		TWP 34S		RNG (E/	N)			Acres A	ttributed
Field AETNA						Reservoir MISSIS	SIPPIAN				nering Conn		s		
Completion Date 5/31/1991						Plug Baci 4969	k Total Dep	th		Packer S NONE	et at				
Casing Si	ize		Weight 10.50			Internal E	Diameter .	Set at 4970		Perfor 4894			To 4954		
Tubing Size			Weigh		Internal D	Diameter	Set at		Perfo	ations		То		·	
2.375 Type Con	nletion	, /De	4.70			1.995	d Productio	495	• /	OPE	it or Traveling	Plunge	ur? Voe	/ No	
SINGLE		1 (De				OIL, W				PUMP	•	riunge	11: 165	/ NO	
ANNUL	US		nulus / Tubin	g)		% C	arbon Diox	ide		% Nitrog	∍n		Gas Gr	avity - (	i <sub>g</sub>
Vertical D 4922	epth(H	1)			. ,		Pres	ssure Taps	•				(Meter I	Run) (P	over) Size
Pressure	Buildu	p:	Shut in _08/	07	/13 20	 D at		(AM) (PM)	Taken_08	3/08/13	20	at		(	AM) (PM)
Well on L	ine:	;	Started								20	at		(	AM) (PM)
			·				OBSERVE	D SURFAC	E DATA	<del></del>		Duratio	n of Shut-	in	Hours
Static / Orifice Dynamic Size Property (inches)		Э	Meter Prover Pressu		Pressure Differential in	Flowing Temperature t	Well Head Temperature t	I Wellhead Pres		Wellhea	ubing ad Pressure (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	(		psig (Pm)	-	Inches H <sub>2</sub> 0	•		psig 520	g psia psig psia						
Flow									_					1	
					1,		FLOW ST	REAM ATTE	RIBUTES					- <b>L</b>	
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	Grav Fact F <sub>g</sub>	tor	Flowing Temperature Factor F <sub>ft</sub>	Fa	riation actor = pv	Metered Flor R (Mcfd)	w GOR (Cubic Fee Barrel)			Flowing Fluid Gravity G <sub>m</sub>
						(OPEN EL	OW) (DELIV	/ERABILITY	O CAL CIII	ATIONS					
(P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> ) <sup>2</sup> =		:	P <sub>d</sub> =	, ,		P <sub>c</sub> - 14.4) +		:		(P <sub>a</sub> ) (P <sub>d</sub> )	$^{2} = 0.2$ $^{2} =$	07
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2:  1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		LOG of formula 1, or 2, and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpressure Curve Slope = "n" Assigned Standard Slope		, n x l	og [	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
						-									
Open Flor	w				Mcfd @ 14.6	35 psia	<del>,</del>	Deliveral	nility		<del></del> -	Mcfd @	14.65 ps	ia	
·		anar	l authority o	n h		· · · · · · · · · · · · · · · · · · ·	tates that h			o maka +-	e above repo				lodge of
					report is true						OVEMBER	ort and t	nat ne na		13 13
					•			٠.	Wm		1,000	Car	KC	CW	CHITA
			Witness	if any	()						d	Company	Nſ	)y 2	6 2013
			For Comr	nissio	on		<del></del>				Che	cked by	9 44		

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	er.
exempt status und and that the fore correct to the bes of equipment inst	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 t of 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.
	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.
Date: 11/16/13	
	Signature: Was L Sallauger  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.