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

Type Tes	st:			(	(See Instruct	lions on Rev	erse Side	·)					
	pen Flo			Test Date	e:			API	No. 15				
✓ D	eliverabi	ilty ————————		7/15/15				15-	095-21944-0				
Compan WOOLS		PERATING CO	OMPANY, LLC			Lease MESSEI	NGER			1	Well Nu	mber	
County Location KINGMAN SE SE SW			tion	Section 7		TWP RNG (E		RNG (E	W)			Acres Attributed	
Field MESSENGER				Reservoi MISSIS					hering Conne			<i>L</i> _	
Completion Date					k Total Dept	h		Packer Set at				<del>,,c</del> c	
	Casing Size Weight			Internal Diameter 4.052					rations	To		KCC AUG 1, RECEI	
Tubing S	ng Size 😯 Weight			Internal Diameter		Set at		4076 Perforations		4096 To		RECE	
	2.375 4.70  Type Completion (Describe)			1.995 Type Flui	d Production	4131	·	OPEN Pump Unit or Trave		Plunger? Yes	/ No		
SINGL	E	·		ÖIL / V	VATER			PUMPING % Nitrogen					
Producing Thru (Annulus / Tubing) ANNULUS				% Carbon Dioxide				% Nitrog	en	Gas Gr	Gas Gravity - G		
Vertical I 4086	Depth(H	)			Press	sure <b>Tap</b> s	·			(Meter F	3un) (Pi	rover) Size	
Pressure	Buildur	o: Shut in	15 2	0_15_at		(AM) (PM)	Taken_7/	16		15 at	— <u> </u>	AM) (PM)	
Well on l	•									at			
					OBSERVE	D SURFACE	DATA			Duration of Shut-	in	Hou	
Static / Dynamic Property	Size	Ortifice Size Meter Differe inches) Prover Pressure psig (Pm) Inches		al Flowing Well Head Temperature Temperature		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_a)$		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	.375	paig (i iii)	Inches H <sub>2</sub> 0			95ig 395	psia	psig 10	psia	24	<del>                                     </del>		
Flow										_		_	
	<del></del>  -				FLOW STR	EAM ATTRI	BUTES	ı		<del>-                                    </del>			
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension P <sub>m</sub> xh	Fac	Gravity Factor 'F <sub>o</sub>		Flowing Dev Temperature Fa Factor F		Metered Flow R (Mcfd)	y GOR (Cubic Fed Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
				(885) 51				1710110					
P <sub>c</sub> ) <sup>2</sup> =		_: (P <sub>w</sub> ) <sup>2</sup> :	=. <b>:</b>	•	OW) (DELIVI		14.4) +		:	(P <sub>a</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>2</sup>	2 = 0.20 2 =	07	
(P <sub>a</sub> ) <sup>2</sup> - ( or (P <sub>a</sub> ) <sup>2</sup> - (		Choose formula 1 c  (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 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> - 1		LOG of formula 1, or 2. and divide p 2 p 2		Backpressure Curve Slope = "n" 		n x LOG		Antilog	Op Deli Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			- w						· _				
Open Flo	pen Flow Mcfd @ 14.65 psia					Deliverability Mcfd @ 14.65 psia							
			on behalf of the			•			JLY	rt and that he ha		ledge of 20 <u>15</u>	
		Witness	(if any)	•		_		Wm	For O	ompany ompany			
		For Com	mission			_			Chec	ked by	——		

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to reques	st
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO, LLC	_
and that the foregoing pressure information and statements contained on this application form are true and	d
correct to the best of my knowledge and belief based upon available production summaries and lease records	
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named	1.
1 hereby request a one-year exemption from open flow testing for the MESSENGER 1	_
gas well on the grounds that said well:  (Check one)  is a coalbed methane producer  KCC W  AUG 17  RECEN	′10
(Check one)	ICH
is a coalbed methane producer	2015
is cycled on plunger lift due to water	VED
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	
I further agree to supply to the best of my ability any and all supporting documents deemed by Commiss staff as necessary to corroborate this claim for exemption from testing.	sion
Date: _7/31/15	
Signature: Win R Hallows 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.