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

Type Test:  Open Flow Deliverability						Test Date 9/30/14		tions on Rev	verse Side	rse Side)  API No. 15 15-007-23646-00-00				
Company	,		ATING C	OME	PANY, LLC	9/30/14		Lease RICKE					Well Number	
County			Location 1320' FNL & 660' FWL			Section 05		TWP 35S		RNG (E/W) 11W			Acres Attributed	
Field STRANATHAN					<u> </u>	Reservoir	SIPPIAN		Gas Gathering Conne ATLAS		ection			
Completion 3/2/11	on Date	В				Plug Back 5122	Plug Back Total Depth 5122				Packer Set at NONE		<del></del>	
Casing S 5.5	ize	Weight 15.5			Internal E	Internal Diameter		Set at 5173		rations 4	то 4822			
Tubing Si 2.875	ze		Weight 6.5			Internal Diameter		Set at 4851		Perforations OPEN		То	•	
Type Completion (Describe) SINGLE						Type Fluid Production OIL, WATER			Pump Unit or Traveling Plunger? Yes / No PUMPING					
Producing Thru (Annulus / Tubing) ANNULUS					% C	% Carbon Dioxide			% Nitrogen Gas Gravity - G					
Vertical D		)					Pres	sure Taps				(Meter F	Run) (Prover) Size	
Pressure	Buildu	p: \$	Shut in 9/	29/1	14 2	at		(AM) (PM)	Taken_9/	30/14	20	at	(AM) (PM)	
Well on L	íne:	:	Started								20	at	(AM) (PM)	
							OBSERVE	D SURFACE	E DATA			Duration of Shut-	in 24 Hours	
Static / Dynamic Property	Orifice Size (inches)		Circle one:  Meter  Prover Pressure  psig (Pm)		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead (P <sub>w</sub> ) or (P <sub>o</sub>	Pressure	Wellhe	Tubing ead Pressure or (P,) or (Pc) psia	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			1.5.7					190	psia	80	psia	24		
Flow			_											
							FLOW STR	REAM ATTRI	IBUTES					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia					vity Flowing Temperature Factor Fit		Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	W GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> )²	=	:	(OPEN FLO	• •	<b>'ERABILITY</b> ) % (P	) CALCUL 'a - 14.4) +		<u>:</u>	(P <sub>a</sub> ) <sup>;</sup> (P <sub>d</sub> ) <sup>;</sup>	<sup>2</sup> = 0.207 <sup>2</sup> =	
$(P_c)^2 - (P_g)^2$ or $(P_c)^2 - (P_g)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>			ose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_a^2$	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" or Assigned Standard Slope		l n x L	LOG [	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
									_					
Open Flor	<u> </u> w			<u> </u>	Mcfd @ 14.			Deliverab	ility	_		Mcfd @ 14.65 psi	a	
*		gned	l authority,	on b		<u>.</u>	tates that h			o make ti		ort and that he ha		
the facts s	tated th	nerei	n, and that	said	report is true	and correc	t. Executed	this the 20	<u> </u>	day of _C	CTOBER	4101	20 14 .	
			Witness	(if an	у)			-		W	m K	Company KA	Received UNSAS CORPORATION COM!	
	_		For Con	nmissio	on	_		-			Che	cked <b>b</b>	OCT 2 2 2014	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request 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 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.
I hereby request a one-year exemption from open flow testing for the RICKE 3  gas well on 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  I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
Date: 10/20/14  Signature:
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.