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

Type Test	t:					(	See Ins	tructi	ions on Rev	verse Side	)					
$=$ $\cdot$	en Flow					Test Date	):				API I	No. 15				
☐ De	liverabil	lty				09/16/13	3					07-21260-	0000			
Company WOOLSEY OPERATING COMPANY, LLC							_		Lease GRAVE	s				Well Num A-2		mber
County Location BARBER SW, SE, NE				Section 33			TWP 34S		RNG (E/W) 12W				Acres A	Attributed		
Field HARDTNER				Reservoir MISSIS						ering Conn FIELD SE		<b>=</b>				
Completion Date 10/9/81				Plug Bac 4795	k Total	Depti	h			et at						
Casing Si 3.500		Weig 10.5			Internal Diameter 4.052			Set at 4813		Perforations 4709		™ 4779				
Tubing Size Weight 2.375 4.70				Internal Diameter 1.995			Set at		Perfora OPE			То		-		
					Type Flui			l		Pump Unit or Traveling F PUMPING			Plunger? Yes / No			
Producing Thru (Annulus / Tubing) ANNULUS					% C	% Carbon Dioxide				% Nitrogen			Gas Gravity - G <sub>g</sub>			
ertical D		)					l	Press	sure Taps					(Meter I	Run) (P	rover) Size
Pressure Buildup:			Shut in			at			(AM) (PM) Taken 0		9/17/13 20		) at		(AM) (PM)	
Well on Line:			Started 20									at		(AM) (PM)		
							OBSE	RVE	D SURFACI	E DATA		•	Durat	ion of Shut-	in	Hours
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressure		Pressure Differential in Temperature		Well Head Temperature t		Casing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>a</sub> )		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	hut-In		psig (Pm)		Inches H <sub>2</sub> 0	1			psig 45	psia	psig 220	psia	24			
Flow											-	1				
							FLOW	STR	EAM ATTR	IBUTES	•					
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	tor	Flowing Temperatu Factor F <sub>f1</sub>		Fa	ation Metered Flow ctor R (Mcfd)		w GOR (Cubic Fee Barrel)			Flowing Fluid Gravity G <sub>m</sub>
					•	(ODEN SI	011/1/01		FDADII (TV	\ \	ATIONS					
P <sub>c</sub> )² =		_:	(P <sub>w</sub> ) <sup>2</sup>	=	:	P <sub>d</sub> =		<u> </u>	ERABILITY 6 (F	) CALCUL <sub>c</sub> - 14.4) +		:		(P <sub>a</sub> )	<sup>2</sup> = 0.2 <sup>2</sup> =	07
$(P_o)^2 - (P_a)^2$ or $(P_o)^2 - (P_d)^2$		(P <sub>o</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: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide D 2. D		2 w	Backpressure Cun Slope = "n" or  Assigned Standard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo	w				Mcfd @ 14.	65 psia			Deliverab	ility			Mcfd (	Ø 14.65 ps	ia	
The	undersi	gnec	authority,	on b	ehalf of the	Company, s	states th	nat he	e is duly au	thorized t	o make the	above repo	ort and	that he ha	ıs know	dedge of
e facts s	tated th	erei	n, and that s	aid	report is true	and correc	t. Exec	uted	this the 0	9	day of DE	CEMBER				20 13
			Witness					_	_		In R	Hal	Company	la_	KC	C WICH
								_	_						_חבי	<del>C 18 2</del> 0
			For Com	missio	on							Che	cked by		חבו	L 10 Z0
															F	RECEIVE

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
gas well on the grounds that said well:
(Check ane)
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
staff as necessary to corroborate this claim for exemption from testing.
Date: 12/09/13
Signature: Win & Hollang
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.