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

Type lesi								<i>30)</i>						
	en Flow liverabilty	1560+6.	n test	Test Date 11/8/12					PI No. 15 i-187-2095	7 <i>-0</i> 0	· &			
Company American Warrior Inc.					Lease Hume							Well Number #3-23		
County Location Stanton C-NW-SE-SW			Section 23		TWP 30S			RNG (E/W) 43W		Acres Attributed		ed		
Field Sparks West				Reservoi <b>Keyes</b>	r		Gas Gathering Duke		athering Co	onnection RE		RE	CEIV	
Completion Date 4/5/02			Plug Bac 5520'	k Total	Depth	Packer Set at na		Set at	DEC			<u>,,</u>		
Casing Size Weight 11/2 15.5			Internal I 4.950	Diamete		Set at <b>5550'</b>		Perforations 5287'		то 5309' <b>К</b> С		4 7 100		
Tubing Size Weight 23/8 4.70			Internal I 1.995	Diamete		Set at <b>5517'</b>		Perforations		То	DEC 07  * KCC WIC			
Type Completion (Describe) Gas			Type Flui <b>Forma</b>				Pump Unit or Tra					<del>-</del>		
Producing Thru (Annulus / Tubing) Annulus				% (	Carbon	Dioxide	% Nitrogen		gen	Gas Gravity - G <sub>g</sub>				
	epth(H)					Pressure Taps					(Meter f	Run) (Prover)	Size	
Pressure Buildup: Well on Line:				20_12 at 3:00pm		   (AM) (PN	(AM) (PM) Taken 11		1/9 20		3:15pn	n (AM) (PM)		
						(AM) (PN	) Taken_			20 6	at	(AM) (PM)		
	-			, ·	OBSE	RVED SURFA	CE DATA			Durat	ion of Shut-	24	Hours	
Static / ynamic roperty	Orifice Size (inches)	Meter Different		Temperature Tempe		ead Wellhea (P, ) or	asing d Pressure (P <sub>t</sub> ) or (P <sub>c</sub> )	Wellh	Tubing ead Pressure or (P <sub>t</sub> ) or (P <sub>c</sub> )	_ I	Ouration (Hours)	1 '	Liquid Produced (Barrels)	
Shut-In		poig (i iii	, mones ri <sub>2</sub> 0		<b>-</b>	220	psia	psig	psia					
Flow						55								
				1	FLOW	STREAM ATT	RIBUTES		γ	1				
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Cirate one:  Meter or  Prover Pressure psia  Press Extension  ✓ P <sub>m</sub> x h		Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>r</sub>		Factor		ed Flow GOR R (Cubic Fo		et/ Flow Grav G	id vity	
			1	(OPEN FL	OW) (D	ELIVERABILIT	Y) CALCU	LATIONS	<u> </u>	.,,,	(D.)	2 = 0.207		
c)2 =	:	(P <sub>w</sub> ) <sup>2</sup>				%	(P <sub>c</sub> - 14.4)	+ 14.4 = _	:		(P <sub>d</sub> )			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> (P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1. P <sub>o</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>o</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>o</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide p 2. p 2		2 SI	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
		····											$\dashv$	
pen Flo	w		Mcfd @ 14	.65 psia		Delivera	ıbility			Mcfd (	⊉ 14.65 psi	a		
The u	undersign	ed authority,	on behalf of the	Company, s	states th	nat he is duly a				port and	that he ha	s knowledge	of	
facts st	tated ther	ein, and that	said report is tru	e and correc	t. Exec	uted this the	29	day of _	November			, <sub>20</sub> <u>12</u>		
							Jo	e 5	Sunt f	1				
		Witness W. Jac For Corp								or Company				

## DEC 07 2012

	KCC WICHITA
	ler 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 American Warrior Inc.
and that the fore	going pressure information and statements contained on this application form are true and
of equipment insta	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.
	est a one-year exemption from open flow testing for the Hume #3-23 rounds 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
<b></b>	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: 11/29/12	

## 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.