KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST
(See Instructions on Reverse Side)

Test Date:

API No. 15

Type Test:				(8	See Instruci	tions on Revo	erse Sia	le)						
Open	Flow			Test Date	•			А	PI No	. 15				
Delive	erability	ttr. Sh.	ut In Te					18	5-07	7-21563 -	0000			
Company American V	Varrior		v 			Lease Bertha	<u> </u>	·					Vell Nur	
		Location C-S/2-NE				TWP 32S		RNG (E/W) 7W Gas Gathering Conne West Wichita Packer Set at Perforations 4398' Perforations		A		cres Attributed		
Field Crystal Springs Southeast		Reservoir Mississippian				Gas G We st	ather	ing Conne	ction Gas	-Ga	Then	ำเทศ		
Completion Date 10/10/06			Plug Back 4617	Total Dep	th		Packer Set at				DEC.			
•		Weight 15.5		Internal Diameter 4.950		Set at 4625'		Perforations 4398'			To 4402'	PEO	0 2015	
Tubing Size 23/8		Weight 4.70	·	Internal D 1,995		Set at 4400	 ! !'	Perforat		ions		То	~(~3	TVEO
Type Completion (Describe) Gas & oil			Type Fluid Production Oil&formation w			n	Pump Unit or Trav No							
	hru (Anr	nulus / Tubing)			arbon Dioxi			% Nitr	ogen		 -	Gas Gra	avity - G	
tubing	,											_	•	······
Vertical Dept	th(H)				Pres	sure Taps						(Meter F	Run) (Pr	over) Size
Pressure Bui	ildup:	Shut in11/30)2(15 at 1	2:52PM	(AM) (PM)	Taken_	11/31		20	15 at_	12:38F	PM (AM) (PM)
Well on Line:	e: :	Started	20	at		(AM) (PM)	Taken _			20	at _	-	(AM) (PM)
					OBSERVE	D SURFACE	DATA				Duration	of Shut-	in 24	Hours
Dynamic	Orifice Size inches)	Circle one: Meter Prover Pressure		Flowing Temperature t .	Well Head Temperature	cad Casing Tubing			Produced					
Shut-In		psig (Pm)	Inches H ₂ 0		<u> </u>	psig 240	psia	psig	7	psia				
Flow		-				60	_					-		
				_	FLOW ST	REAM ATTRI	BUTES						·	
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Fac	tor	Flowing Temperature Factor F _{II}		eviation Factor F _{pv}		Metered Flov R (Mcfd)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
	ı	<u>-</u> !		(OPEN FL		/ERABILITY)	CALC	JLATION	s S	<u></u>		<u> </u>	2 00	J
(P _c)² =	:	(P _w) ² =	:	` P _d =		-		+ 14.4 =		<u>:_</u>			2 = 0.2 2 =	
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²		P _c)²- (P _w)²	10. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ 2. $P_c^2 - P_d^2$ 2. $P_c^2 - P_d^2$	LOG of formula 1, or 2, and divide by:	P _c ² · P _w ²	Slop	ssure Cur le = "n" or signed ard Slope	n	x LO	e []	Ant	ilog 	Deli Equals	en Flow verability R x Antilog Mcfd)
Open Flow			Mcfd @ 14.	65 psia		Deliverab	ility				Mcfd @	14.65 ps	ia	
		d authority, on									ort and th	nat he ha		
the facts state	ted there	in, and that sale	report is true	and correc	t. Execute	d this the	·	_ day of		14 0 1	101		,; a.S	20 <u>15</u> .
		Witness (if a	any)		 -	_				سر)		$1 \frac{1}{1}$	л. A	<u> </u>
		For Commis	sion			-				Che	cked by		سليل	ry_

	s under penalty of perjury under the laws of the state of Kansas that I am authorized to request s under Rule K.A.R. 82-3-304 on behalf of the operator American Warrior Inc.
and that the correct to the	foregoing pressure information and statements contained on this application form are true and best of my knowledge and belief based upon available production summaries and lease records tinstallation and/or upon type of completion or upon use being made of the gas well herein named.
	request a one-year exemption from open flow testing for the Bertha #1-29 he grounds that said well:
(0	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 Commissio
staff as nece	essary to corroborate this claim for exemption from testing.
- 40/47	/2D4.5
Date: <u>12/17</u>	2015
	Signature: Signature: Title: WELL OPERATIONS ASSISTANT

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.