RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	•			- (3	see instruc	tions on Re	verse side,				• •
Open	Flow			•			·		- 45		•
Delive	rability 4HR	Shut	Inter	Test Date 10/16/13 =				API N 15-03	o. 15 33-20450 -	0001	
Company	Varrior Inc.		111 (165			Lease Kerstet	ter			#2-33	Well Number
County Comanche	*:	Location		Section 33		TWP 32S		RNG (E/W	")		Acres Attributed
ield Birdeast				Reservoir Pawnee				Gas Gathe	ering Conn	ection	rrior
Completion Date 09/12/81				Plug Back Total Depth			I	American Warrior Packer Set at			
Casing Size Weight			Internal D 4.892	iameter	Set :	0.41 40.701		tions	To '		
Tubing Size Weight 23/8 4.7			Internal D	iameter	Set :		Perforations		То		
Type Completion (Describe) Gas				Type Fluid	Productio	ņ	Pump Unit or Traveling F Pumping unit			Plunger? Yes	/ No
	hru (Annulus /	Tubing)			arbon Diox			% Nitroger		Gas Gr	avity - G _g
Annulus						•	• •			*	
Vertical Dept	h(H)		•		Pres	sure Taps			•	(Meter	Run) (Prover) Size
		10/16		13 11	1:45AM		10/	17		13 11:45	AM (AM) (PM)
Pressure Bui	ildup: Shut ii							٠.	•	•	
Vell on Line:	Starte	i	20	at	•	(AM) (PM)	Taken		20	at	(AM) (PM)
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 24 Hours
Static / Orifice Meter Differ		Pressure Differential	Temperature Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration	Liquid Produced	
7	amic Size Prover Pressure in								(Hours)	(Barrels)	
Shut-In	, psi	a (יייי)	mones H ₂ 0			psig 45	psia	· psig	psia		· · · · · · · · · · · · · · · · · · ·
Flow						45				-	<u> </u>
	Circle	e:		1 .:	FLOW STF	SEAM ATTR	BUTES				
Coefficcient	$ \begin{array}{c cccc} & & & & & & & & & & & & \\ \textbf{Plate} & & & & & & & & & & \\ \textbf{Coeffliecient} & & & & & & & & \\ \textbf{Meter or} & & & & & & & \\ \textbf{(F_b) (F_p)} & & & & & & & \\ \textbf{Mctd} & & & & & & & \\ \textbf{psia} & & & & & & \\ \hline \end{array} $		Gravity To		Temperature Fac		iation Metered Flow		v GOR (Cubic Fe	Flowing Fluid	
			√ P _m x h	1		Factor F _{pv}				Barrel)	L. Gravity
				OPEN EL C	W) (DELIV	FRARII ITV) CALCULA	TIONS			
) ² =		(P _w) ² =	*. •	$P_d = $	· · · · (DELIV) CALCULA ^ଦ ୍ଧ - 14.4) + 1			(P _a)	² = 0.207 ² =
• • •	T.	Choos	se formula 1 or 2:	1			ssure Curve	<u> </u>	<u>.</u>	. (, 9)	Open Flow
$(P_c)^2 - (P_a)^2$ or	(P _c) ² - (P		P _c ² -P _a ²	LOG of formula			pe = "n"	n x LC	G	Antilog	Deliverability
$(P_c)^2 - (P_d)^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_c^2$		1. or 2. and divide p 2 - p 2 by:		Assigned Standard Slope					Equals R x Antilog . (Mcfd)		
		U.V.Je		7				· ·			
Open Flow Mcfd @ 14.6			35 psia		Deliverab	Deliverability		Mcfd @ 14.65 psia			
' The und	ersigned author	rity, on he	half of the (Company st	tates that h	ne is duly a	uthorized to	make the	above repo	rt and that he ha	as knowledge of
	d therein, and	. •							TBER		, ₂₀ <u>13</u>
e lacis state	u merein, and	mai salo fe	shour is true	and correct.	. Executed	uns me _	a:	ay 01	<u> </u>	Λ	, 20,
		Vitness (if any)							Shell	ey Cas	L KCC M

I declare under penalty of perjury under the laws of the state of Kansas that I am authorize exempt status under Rule K.A.R. 82-3-304 on behalf of the operator American Warrior Inc.	ed to request
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 l	ease records
of equipment installation and/or upon type of completion or upon use being made of the gas well he	erein named.
I hereby request a one-year exemption from open flow testing for the _Kerstetter #2-33	
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
staff as necessary to corroborate this claim for exemption from testing.	by Commission
stan as necessary to comoborate this claim for exemption from testing.	
Date: 10/31/2013	
Signature: Sully as	
Title: PRODUCTION 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.

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