Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:		(See	Instruct	tions on Rev	verse Side,)				
Open Flow		Test Date:				API N	o. 15			
Deliverability 24+1R	Shut In ics	7 10/16/13	* 4	•	-		3-21317-	0000		. '
Company American Warrior Inc.				Lease Bird				v #2-28	Vell'Number	
	Location Section C-NE-NE-NE 28		TWP 32S			RNG (E/W) 19W		. A	Acres Attributed	
Field Birdeast	•		Reservoir Mississippian			Gas Gathering Conn America		Warrior		
Completion Date 07/16/02	ate Plug Bac 5533'			ck Total Depth			Packer Set at			
Casing Size Weigh 51/2 15.5	Weight 15.5		Internal Diameter 4.950		Set at 5561'		Perforations 5124'		*	
Tubing Size Weigh 23/8 4.7	Weight 4.7		Internal Diameter 1.995		Set at 5350'		Perforations			
Type Completion (Describe) Gas		Type Fluid Pr				Pump Unit Pumping		Plunger? Yes	No	
Producing Thru (Annulus / Tubin Annulus	Producing Thru (Annulus / Tubing)			% Carbon Dioxide				Gas Gra	Gas Gravity - G _g	
Vertical Depth(H)		;	Pres	sure Taps				(Meter R	un) (Prover) Size	
Pressure Buildup: Shut in	16 20	1 _{at} 1:15	PM .	(AM) (PM)	Taken 10	/17	20	13 _{at} 1:15PM	1 (AM) (PM)	
Well on Line: Started							*			
	•			D SURFACE				,	24 Hours	<u>-</u>
Proporty (inches)	Meter Differential Te		Flowing Well Head Temperature		Casing Wellhead Pressure . (P _w) or (P _t) or (P _c)		Pressure	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In psig (Pm)	Inches H ₂ 0			psig 185	psia	psig	psia			
Flow				40						
		FLO	OW STR	EAM ATTRI	BUTES		······································			
$ \begin{array}{c c} \text{Plate} & \textit{Circle one:} \\ \text{Coefficient} & \textit{Meter or} \\ (\textbf{F}_{\text{p}}) (\textbf{F}_{\text{p}}) & \textit{Prover Pressure} \\ \text{Mofd} & \text{psia} \end{array} $	ffiecient Meter or Extension (F _p) Prover Pressure		Gravity T		Flowing Devia emperature Factor F ₁₁		Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	Growing	
			,					• •		
	(OPEN FLOW)	(DELIV	ERABILITY)	CALCULA	TIONS		(P.) ²	= 0.207	
$(P_c)^2 = \dots (P_w)^2 = \dots$	<u> </u>	P _d =		% (P	_c - 14.4) +	14.4 =	:	(P _d) ²		• . •
$(P_{o})^{2} - (P_{d})^{2}$ or $(P_{o})^{2} - (P_{d})^{2}$	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	- P _w ²	Slop	ssure Curve le = "n" or signed ard Slope	n x LO	G D	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			•							
			,							
Open Flow	Mcfd @ 14.65	5 psia		Deliverabi	lity			/lcfd @ 14.65 psia		
The undersigned authority, or	n behalf of the C	ompany, state	s that h	e is duly au	thorized to			t and that he has	· ·	
the facts stated therein, and that sa	aid report is true a	and correct. E	xecuted	this the 31	c	lay of OC	TOBER	· · ·	, 20 13	
				· ' · .		Sul	leyC	asl	KCC W	ICHIT
Witness (i						Ka	HAP Fog Co	Unch	NOV 27	2013
For Comm	iission						Check	ed by		

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 American Warrior Inc.
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 Bird #2-28
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.
Stan as necessary to correspond this stann for exemplicit from testing.
Date: 10/31/2013
$\mathcal{O}_{\mathbf{A}}$
Signature: Sulle 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.