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

·			(	See Instructi	ions on Reve	erse Side)	)				
Open Flo	ow .		Test Date		•	:	ΔDI	No. 15		•	
Deliverat	a4HrSl	Autly Tos	10/03/13	:: 3				175-21638 <del>-</del>	-0000		
Company American Wa		WW INC. ICS			Lease Singley		· ·			Well N	lumber .
County Seward	• .				TWP 32	na a summa a ara abnarar ab ara dapet t a -et -e	RNG (E/W) 31		Acres Attributed		Attributed
Field Kismit			Reservoir St. Louis			Gas Gathering Connection  Duke					
Completion Da 9/3/97	Plug Baci 6062	Plug Back Total Depth 6062			Packer Set at						
asing Size Weight 1/2 15.5		Internal Diameter 4.950				Perfor	rforations 358'		то 6041'		
Tubing Size 23/8	bing Size Weight 3/8 4.70		Internal E	Internal Diameter 1.995		Set at Perfe		forations		То	
Type Completio Gas & oil	,,	Type Fluid Production Oil & formation water			Pump Unit or Traveling Plunger? Yes / No Pumping unit						
Producing Thru	(Annulus / Tubir	ng)	% C	arbon Dioxid	de		% Nitroge	en .	(	Gas Gravity -	G
Annulus Vertical Depth(l	H)			Press	sure Taps				(	Meter Run) (	Prover) Size
										<u> </u>	
Pressure Buildu		/03 2								•	(AM) (PM)
Well on Line:	Started	2	0 at	* **	(AM) (PM) T	aken		20	at		_ (AM) (PM)
				OBSERVE	D SURFACE	DATA			Duration o	of Shut-in 24	4 Hours
Dynamic Siz	ifice   Circle one:   Pressure		Flowing Temperature t	Temperature Temperature		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )			quid Produced (Barrels)
Shut-In	, , ,	/		· ·	psig 90	psia	psig	psia			
Flow	·				45						
	** . *			FLOW STR	EAM ATTRIB	UTES					
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	coefficient $\frac{Meter \text{ or}}{(F_b)(F_p)}$ Extension $\frac{Prover Pressure}{\sqrt{P_b x h}}$		Gravity T Factor F		Flowing Deviation emperature Factor Factor F <sub>pv</sub>		tor	Metered Flow R (Mcfd)		GOR Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>
<u>:</u>										• • • • • • • • • • • • • • • • • • • •	
P <sub>c</sub> ) <sup>2</sup> =	: (P <sub>w</sub> )² =	<u> </u>	(OPEN FLO		ERABILITY) (	CALCULA - 14.4) +		:		$(P_a)^2 = 0.$ $(P_d)^2 = 0.$	.207
(P <sub>a</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpress Slope o Assig Standard	= "n" r gned	nxL	og	Antilo	g De Equa	Open Flow eliverability ils R x Antilog (Mcfd)
or $(P_c)^2 - (P_d)^2$		divided by: Pc2 - Pw2			<del></del>						
or		divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>									
or		divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>				• .					
or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> Mcfd @ 14.	65 psia		Deliverabili	ty			Mcfd @ 14	.65 psia	
or $(P_c)^2 - (P_d)^2$ Open Flow  The unders	igned authority, c	Mcfd @ 14.	Company, s		e is duly auth	norized to		e above repo		he has kno	a Turka i
or $(P_c)^2 - (P_d)^2$ Open Flow The unders	igned authority, o	Mcfd @ 14.	Company, s		e is duly auth	norized to				he has kno	wledge of
or $(P_c)^2 - (P_d)^2$ Open Flow The unders	•	Mcfd @ 14. on behalf of the aid report is true	Company, s		e is duly auth	norized to		e above repo		he has kno	a Turka i

I declare under penalty of perjury under the laws of the state of Kansas that I am at	· ·
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	· · · · · · · · · · · · · · · · · · ·
correct to the best of my knowledge and belief based upon available production summarie	es and lease records
of equipment installation and/or upon type of completion or upon use being made of the gas	s well herein named.
I hereby request a one-year exemption from open flow testing for the Singley #6	
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	<u> </u>
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 do	eemed by Commission
staff as necessary to corroborate this claim for exemption from testing.	
Date: 11/04/2013	
	•
$(/_{\Lambda}$	
Signature: Skelley Case	
Signature: PRODUCTION ASSISTANT	
$\mathcal{A}$	

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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