KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t;				(See Instruc	tions on Rev	erse Side)				
	en Flov				Tool Date					I No. 45			
De De	liverabi	ity 244	cd.	+14	Test Date 12/1/11	3 :			15-	l No. 15 ·175-21212 -	00-00		
Company	у		<u> </u>	<u>/ [*L</u>			Lease Atwell					Vell Number	
County Seward			Location C-SE-SE			Section 9		TWP I		/W)	Acres Attributed		
Field Kismit					Reservoi				Gas Ga Duke	thering Conn	ection		_
Completion 1/14/92	on Date)		_	Plug Bac 5000'	k Total Dep	th		Packer	Set at			
Casing Size 51/2		Weight 15.5			Internal Diameter 4.950		Set at 5149'		Perforations 4300'		то 4310'		
Tubing Size 23/8			Weight 4.70		Internal Diameter 1.995		Set at 4320'		Perforations		То		
Type Con Gas	npletion	(Describe))			d Productio tion wate			-	nit or Traveling ing unit	Plunger? Yes	/ No	
	-	(Annulus	/ Tubing)	1	% C	Carbon Diox	ide		% Nitro	jen	Gas Gra	ıvity - G	
Vertical C						0	T		,		() 4) (D) (O	
vertical t	vebru(n	,				Pres	sure Taps				(Meter F	tun) (Prover) Si	28
Pressure	Buildur	: Shut i	12/1	2	0 11 at 1	0:35AM	(AM) (PM)	Taken 12	/2	20	11 _{at} 10:40	(AM) (PM	 i)
Well on L	ine:	Starte	d	20	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-i	n 24 Ho	ours
Static / Dynamic Property	Orific Size	Prove	cie one. Meter r Pressure	· · · · · · · · · · · · · · · · · · ·	Flowing Temperature t	Well Head Temperature t	Casin Wellhead F (P _w) or (P ₁	ressure	Wellhe	Tubing ead Pressure r (P _r) or (P _e)	Duration (Hours)	Liquid Produce (Barrels)	đ
Shut-In	(psi	g (Pm)	Inches H ₂ 0			psig 45	psia	psig	psia			\dashv
Flow							4				i		
r						FLOW STE	REAM ATTRI	BUTES		,	7		_
Plate Coeffiec (F _b) (F Mcfd	ient p)	Circle or Meter of Prover Pre psia	or	Press Extension ✓ P _m x h	Grav Fac F _e	tor	Flowing Temperature Factor F _{II}		ation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fed Barrel)	Flowing Fluid Gravity G _m	
<u></u>								<u> </u>]
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P_)²	= 0.207	
(P _c) ² =		<u>:</u>	(P _w) ² =	 :	P _d =		% (P	, - 14.4) +	14.4 = _	:	(P _d) ²	=	_
(P _e) ² - (I or (P _e) ² - (I	P _a) ²	(P _e)² - (P	_) ²	; hoose formula 1 or 2; 1. P _c ² - P _d ² 2. P _c ² - P _d ² vided by: P _c ² - P _d ²	LOG of formula 1, or 2, and divide by:	b.s. b.s	Stop	sure Curve e = "n" origned rd Slope	пх	LOG	Antilog	Open Flow Deliverability Equals R x Antil (Mcfd)	ŀ
					<u></u>						· · · · · · · · · · · · · · · · · · ·		_
Open Flo	w			Mcfd @ 14.6	65 psia		Deliverabi	lity			Mcfd @ 14.65 psi	1	_
		•	•	behalf of the			•			•	rt and that he has	knowledge of	
14013 3	U U	oroni, and	arat Jan	- report is true		2.000180		Jod	5	Hait L	_ R	ECEIVED	•••
		1	Witness (if o	iny)		<u>-</u> .	_	Kul.	1 0	Hr. For	company nt	C 1 3 201	
			For Commis	sion			_			Chec	ked by	.v_1_3_2U	! #

exempt sta	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request attus under Rule K.A.R. 82-3-304 on behalf of the operator American Warrior Inc. The foregoing pressure information and statements contained on this application form are true and
correct to t	he best of my knowledge and belief based upon available production summaries and lease records
	ent installation and/or upon type of completion or upon use being made of the gas well herein named. by request a one-year exemption from open flow testing for the Atwell #B-1
	the grounds that said well:
	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 er agree to supply to the best of my ability any and all supporting documents deemed by Commission cessary to corroborate this claim for exemption from testing.
Date: 12/8	
	Signature:

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 were considered by signed and dated on the front side as though it was a verified report of annual test results DEC 1 3 2011