KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	i:				(See Instruct	ions on Reve	erse Side)					
	en Flo				Test Date	··			ΔPf	No. 15				
De	liverat		Hdr.Sl.	et hTest	10/6/14	7 +				033-21044 -	-0000			
Company	<i>'</i>		_	()			Lease Carthrae				#1-4	Well Nu	ımber	
County Comanche			Location C-SE-SE-SE		Section 4		TWP 33		RNG (E/W) 18W		Acres Attributed			
Field Wagnon	•				Reservoir Mississi			·	Gas Gat WPS	thering Conn	ection			
Completion Date 01/17/00			Plug Bac 5257'	Plug Back Total Depth 5257'			Packer \$	Set at						
Casing Size 51/2			Weigh 15.5	t	Internal D 5.950	Internal Diameter 5.950		Set at 5299'		rations 5'	то 5230'			
Tubing Size 23/8			Weight 4.70		Internal Diameter 1.995		Set at 5257'		Perforations		То			
Type Completion (I			escribe)			d Production			Pump Unit or Traveling P Pumping unit		Plunger? Yes	Plunger? Yes / No		
	Thru	(Anı	nulus / Tubin	g)	% C	arbon Dioxi	de		% Nitrog		Gas G	ravity -	G _g	
Annulus	3													
Vertical D	epth(i	⊣)				Pres	sure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildı	ıp:	Shut in	06 2	14 at 2	:30PM	(AM) (PM) 1	raken_10)/07	20	14 at 2:30P	M	(AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM) 1	Taken		20	at		(AM) (PM)	
			,			OBSERVE	D SURFACE	DATA			Duration of Shut	_{-in_} 24	Hours	
Static / Dynamic Property	Si	Orifice Circle one: Meter Size Prover Pressu			Flowing Temperature t	Well Head Temperature t	Mallhoad Proceuro		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liqu	id Produced Barrels)	
Shut-In	(,	psig (Pm)	Inches H ₂ 0			psig 135	psia	psig	psia	Rece KANSAS CORPORA		MISSION	
Flow							35				DEC 1	5 20	14	
						FLOW STR	EAM ATTRIE	BUTES			CONSERVATION		SION	
Coeffied (F _b) (F	Plate Coefficeient (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Extension Fact		Temperature Fa		viation Metered Flow actor R F _{pv} (Mcfd)		WICHITA, K GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
_									•					
(P _c)² ≈		:	(P _w) ² =	:	(OPEN FL		ERABILITY) % (P,	CALCUL - 14.4) +		:	(P _a ; (P _a ;) ² = 0.2	207	
(P _e) ² - (F	P_)2		P _e) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2, and divide	P _c ² -P _w ²	Backpressure Curve Slope = "n" n x LOG Antilog		De	Open Flow Deliverability Equals R x Antilog (Mctd)				
							ļ					 - -		
									<u></u>					
Open Flor				Mcfd @ 14.			Deliverabili	· —			Mcfd @ 14.65 ps			
		•		n behalf of the aid report is true			-			=	ort and that he h		ledge of 20 14 .	
140(0 0		., 10101	ng wine trick of	roport to that	J 4.14 001160	=>000100		*****	,	`[]	1 1000	 o	·	
	4		Witness (fany)		***************************************	<u> </u>				Company 1114	0/11/	1	
V4			For Comm	ission						Che		J. W.		

	r the laws of the state of Kansas that I am authorized to request behalf of the operator American Warrior Inc.						
	and statements contained on this application form are true and						
• • • •	of based upon available production summaries and lease records						
, -	completion or upon use being made of the gas well herein named.						
	rom open flow testing for the Carthrae #1-4						
gas well on the grounds that said well:	on open low testing or the						
gas well on the grounds that said well.	Personal de						
(Check one)	Received KANSAS CORPORATION COMMISSION						
is a coalbed methane pro	ducer DEC 1.5 2014						
is cycled on plunger lift d							
is a source of natural gas	is a source of natural gas for injection into an oil reservoir undergoing ER						
is on vacuum at the prese	ent time; KCC approval Docket No.						
is not capable of produci	ng at a daily rate in excess of 250 mcf/D						
	,						
I further agree to supply to the best of m	y ability any and all supporting documents deemed by Commissi						
staff as necessary to corroborate this claim	for exemption from testing.						
Date: 12/12/2014							
	1.						
	(//) 00 (1						
Si	gnature:						
	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.