Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test		٨,			(See Instruct	ions on Re	verse Side	:)					
Open Flow Deliverabilty				Test Date: April 17&18, 2011					No. 15 007-22021-	0000				
Company		o., I	Inc.		April 17	Q 10, 2011	Lease Estella		10-1			Well Nu	mber	
County Barber			Location N2 SE NE		Section 30		TWP 32		RNG (E/W) 10W		Acres		Attributed	
Field Antrim					Reservoi	_				hering Conn /ichita Gas	ection Gathering, LLC			
Completic		e	Plug Back Total Depth				h		Packer S None		<u> </u>			
Casing Size 5.5			Weigh 15.5	t	Internal Diameter 5.012		Set at 4750		Perforations 4464		то 4468			
Tubing Size 2.875			Weigh 6.5	t	Internal Diamete		Set at 4470		Perforations Open		То			
Type Con Single	npletion	ı (De			Type Flui	d Production				Plunger? Yes	? Yes / No			
Producing	_	(Anr	nulus / Tubing	;)		Carbon Dioxi	de		% Nitrog		Gas G	ravity - C		
Annulus Vertical D		1)			· · · · ·	Pres	sure Taps				(Meter	Run) (Pi	rover) Size	
Pressure	Buildu	p:	Shut in 4-1	72	0_11_at		(AM) (PM)	Taken 4-	·18		11 at		AM) (PM)	
Well on Line:							(AM) (PM) Taken					•		
						OBSERVE	D SURFAC	E DATA			Duration of Shut	-in <u>24</u>	Hours	
Static / Orifice Dynamic Size Property (inches)		e	Circle one Meter Prover Pressu psig (Pm)		Flowing Well Head Temperature t t		(P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-in			paig (i iii)	Inches H ₂ 0			4.3	psia	psig	psia	24	 		
Flow												1		
	·					FLOW STR	EAM ATTR	IBUTES						
Ptate Coeffiecient (F ₆) (F _P) Motd		Pro	Circle ene: Meter or over Pressure psia	Press Extension P _m x h	Grav Fac F	or Temperature		Fa	riation sctor = pv	Metered Flor R (Mctd)	w GOR (Cubic Fo Barrel	eet/	Flowing Fluid Gravity G _m	
(P _c) ² =			(P _w) ² =		(OPEN FL	OW) (DELIV		') CALCUL P ₌ - 14.4) +			(P. (P.) ² = 0.2	07	
$(P_e)^2 - (P_e)^2$ or $(P_e)^2 - (P_d)^2$		(F	P _e) ² - (P _w) 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	P _c ² · P _w ²	Backpressure (Stope = *n		, n x I		Antilog	Op Deli Equals	pen Flow iverability : R x Antilog (Mctd)	
Open Flo				Mcfd @ 14.	65 nsia		Deliverat	nility			Mcfd @ 14.65 ps	ia .		
		igne	d authority, or		i	states that h			o make th	e above rend	ort and that he ha		ledge of	
		~	-	ald report is true	, -		-		day of	May		. :	20 _//	
- Au	wi	a	O Co	U		· · · · · · · · · · · · · · · · · · ·	-			150	Company	REC	-1720	
			For Comm	¥ssion			-				cked by	FEB	1 0 2012	
												CC V	VICHITA	

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 Chieftain Oil Co., 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
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. Date: May 17, 2011
Signature: Title:

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.