KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	tions on Rev	erse Side)					
Open Flow					Test Date	n:			ΔÞI	No. 15				
De	eliverat	oilty			100, 04,0	•				033-21205-0	0000			
Company Thoroughbred Associates					Lease , Herd, Bernice			rnice			. 3	Well Number		
County Comanche			Locat SW SE		Section 15		TWP . 32S		RNG (E/W) 19W		Acres Attributed 160			
Field				Reservoir Mississi		-		Gas Gat	hering Conn	ection				
Completic 04-04-01		te			Plug Back Total Depth 5250		th	n		Set at				
Casing Size 5.5			Weight 15.5		Internal Diameter 4.950		Set at 5280		Perforations 4968		To 5194			
Tubing Size 2.375			Weigh	nt	Internal Diameter 1.995		Set at 5200		Perforations		То			
Type Completion (Describe) Tubing					Type Flui Brine	d Production		Pump Unit, or Tra		nit, or Traveling	veling Plunger? Yes / No			
Producing Thru (Annulus / Tubing) Tubing					arbon Dloxi	de			rogen Ga		s Gravity - G _g			
Vertical D	Depth(i	H)				Pres	sure Taps				(Meter	Run) (P	rover) Size	
Pressure	Builde	ID:	Shut in6/2	24 29	14 _{at} 7		(PM)	Taken 6/	25	20	14 at 7		(PM)	
Well on Line:			Started20											
						OBSERVE	D SURFACE	DATA	<u> </u>		Duration of Shu	1-in 24	Hour	
Static / Orifice Dynamic Size Property (inches		že	Circle one: Meter Prover Press	Pressure Differential ure in	Flowing Temperature t	Well Head Temperature	Casing Wellhead Pressure (P _w) or (P _t) or (P _a)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liqui	Liquid Produced (Barrels)	
Shut-In	(psig (Pm		Inches H ₂ 0	· · · · · · · · · · · · · · · · · · ·		psig 145			psla	24			
Flow		-					145				24	+		
	<u></u>		<u> </u>			FLOW STR	EAM ATTRI	BUTES	<u> </u>			Ш		
Plate Coeffiecient (F _b) (F _p) Mcfd		Gircle one: Meter or Prover Pressure psia		Press Extension Pmxh	Gravity Factor F _g		Flowing Temperature Factor F ₁₁		iation ector - pv	Metered Flor R (Mcfd)	w GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G _m	
<u> </u>		`		<u> </u>	(OPEN EL	OWN (DELLIV	ERABILITY)	CAL CIII	ATIONS					
(P _c) ² =	_	_:_	(P _w)² =		P _d =			- 14.4) +		<u>:</u> _		$(x)^2 = 0.2$ $(x)^2 = 0.2$		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. P _c ² - P _d 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	Backpressur Slope = or- Assign		nx	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
			,								_			
Open Flo	ow Mcfd @ 14.65 psia				Deliverabi	lity	Mcfd @ 14.65 psia							
The	unders	igne	d authority, o	n behalf of the	Company, s	tates that h	ie is duly au	thorized t	o make ti	he above repo	ort and that he h	ıas knov	ledge of	
the facts s	stated 1	there	in, and that s	ald report is true					day of	ebruary			20 16	
_			Wilness	(if eny)			CHITA			AR / V	Compan			
			For Comr	nissinn	<u>_</u>	EB 17	2016			V	ated by			
			rurcami	moatU11		RECE	IVED			Che	cked 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 Thoroughbred Associates
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 Herd #3 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.
KCC WICHITA Signature: Manager FEB 17 2016 RECEIVED

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.