KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(6	See Instruct	ions on Reve	rse Side)				
□ Ор	en Flov	N			Test Date	_			ADI	No. 15			
De	liverabi	ilty			iest Date	•				190. 15 133-21215-0	000		
Company		Ass	ociates	y			Lease Herrington	n-Twin			1	Well Number	
County Loc			Locatio NE-SE	on	Section 15		TWP 32S		RNG (E/W) 19W		Acres Attributed 160		ed .
Field Coldwate	er SW				Reservoir Mississir				Gas Gat	hering Conne	ection		-
Completic 8/6/01	on Date	В			Plug Back 5199	Total Dept	h		Packer S	Set at			
Casing Size 4.5			Weight	l	Internal Diameter 3.927		Set at 5342		Perforations 5159		то 5168		
Tubing Si	ize		Weight	t	Internal Diameter 1.95		Set at 5169		Perforations		То		
Type Completion (Describe) Tubing					Type Fluid Brine	d Production			Pump Unit or Traveling Plu		Plunger? Yes	Plunger? Yes / No	
	g Thru	(Anr	nulus / Tubing)		arbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G _g	
Vertical D	Depth(H	l)	· · · · · · · · · · · · · · · · · · ·	-		Pres	sure Taps				(Meter	Run) (Prover) S	Size
Pressure	Bulldu	p:	Shut in6/24	4 20	14 at 7		(M)(PM) T	aken_6/	25		14 at 7	(AM) (PI	— М)
Well on L	.ine:		Started	20) at		(AM) (PM) 1	aken		20	at	(AM) (PI	M)
						OBSERVE	D SURFACE	DATA			Duration of Shut-	-in_24	lours
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential In Inches H ₂ 0	Flowing Well Head Temperature t		(P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration (Hours)	Liquid Produc (Barrels)	ed
Shut-In	_		,		:		182	рыа	paig	рын	24		
Flow						, <u>-</u>					<u> </u>		
_	- 1					FLOW STR	EAM ATTRIE	UTES				· .	
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Grav Fact	tor	Flowing Temperature Factor F _{ft}		eviation Metered Factor R F _{pv} (Mcfe		w GOR (Cubic Fe Barrel)	eet/ Flui	id ⁄ity
				<u> </u>	<u> </u>								
(P _c) ² =		;	(P) ² =	:	(OPEN FLO	- •	ERABILITY)	CALCUL - 14.4) +		;	(P _a)) ² = 0.207) ² =	
(P _a) ² - (or (P _e) ² - ((F	P _e)2 - (P _w)2	Choose formula 1 or 2: 1. $P_o^2 - P_a^2$ 2. $P_o^2 - P_d^2$ divided by: $P_o^2 - P_w^2$	LOG of formula 1. or 2. and divide		Backpress Slope (Assl			roe	Antilog	Open Flow Deliverabili Equals R x Ar (Mcfd)	ity
				· · · · · · · · · · · · · · · · · · ·			li .						
Open Flo	ow_			Mcfd @ 14.	65 psia		Deliverabil	lty			Mcfd @ 14.65 ps	 ila	
The	unders	lane	d authority or	n behalf of the	Company	states that h	ne is duly ant	horized t	to make f	he above rend	ort and that he ha	as knowledge (of
		•		aid report is true	and correc	t. Executed	this the 17			ebruary	una trial IIO II	, ₂₀ <u>16</u>	
	<u> </u>		Witness (i		<u> </u>			\	(fl		Company		
			For Comm			FEB 1	7 2016 _				cked by		
			For Comm	кафійн		REC	EIVED			Che	undu uy		

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 Herrington-Twin #1 gas well on 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 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: 2/17/16 KCC WICHITA 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.