KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test				•	(·	See Instruct	ions on Re	verse Side))					
= .	en Flo				Test Date	»:			API	No. 15				
De	liverab	ilty								033-21215-0	0000			
Company Thorougi		Ass	ociates.				Lease Herringt	on-Twin				1	Well Nur	nber
County Comanche			Locat NE-SE		Section 15		TWP 32S		RNG (E/W) 19W			Acres Attributed		ttributed
Field Coldwater SW				•	Reservoir Mississi				Gas Gat	hering Corin	ection			
Completic 8/6/01	on Dat	le			Plug Baci 5199	k Total Dept	1		Packer Set at none					
Casing Size 4.5			Weigl	ht	Internal D 3.927	Diameter	Set at 5342		Perforations 5159		то 5168			•
Tubing Size 2.375			Weigi 4.7	ht.	Internal Diameter 1.95		Set at 5169		Perforations			То		
Type Completion (Describe) Tubing				Type Fluid Production Brine				Pump Ui	nit or Traveling	Plunger	r? Yes	/ No		
	g Thru	(Anı	nulus / Tubin	ig)	% C	arbon Dioxi	de		% Nitrog	en		Gas Gra	avity - G	0
Vertical D	Depth(F	1)				Pres	sure Taps				¥ "	(Meter F	Run) (Pr	over) Size
Pressure	Buildu	ıp:	Shut in 10	/12	0 15 at 7		(AM) (PM)	Taken 10	0/2		15 _{at}	7		AM) (PM)
Well on Line:			Started				(AM) (PM) Taken_							
			1			OBSERVE	D SURFACI	E DATA			Duration	of Shut-	n_24	Hour
Static / Orifice Dynamic Size Property (inches		:e	Circle one: Meter Prover Press	Differential in	ial Temperature Temp		Head Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_0)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H ₂ 0			psig 157	psia	psig	psia	24			
Flow				-									·	
					,	FLOW STR	EAM ATTR	IBUTES						
Plate Coefficient (F _b) (F _p) , Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Gravity Factor F _g		Temperature Fa		viation Metered Flow actor R (Mcdd)		w GOR (Cubic Fee Barrel)		et/	Flowing Fluid Gravity G _m
	1		 	<u> </u>	(OPEN FLO	OW) (DELIV	ERABILITY) CALCUL	.ATIONS			(P.)	² = 0,20	
(P _c) ² =		<u>_:</u>	(P _w) ² =		P _d =		% <u>(</u> F	- 14.4) +	14.4 =	<u>:</u> _		(P _d)		<u>-</u>
(P _e) ² - (I or (P _e) ² - (I	-	(F	P _c)² • (P _w)²	Choose formula 1 or 2: 1. P _o ² - P _w ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ² Choose formula 1. or 2. and divide by: Choose formula 1. or 2. and divide by: Backpressure Cur Slope = "n"		oe = "n" - or signed	n x 106		An	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
						<u>.</u> .		•						
Ones 5'					65 n-!-		D-P	.3014			M-4-1 @	44.05		
Open Flo				Mcfd @ 14.	·		Deliverab					14.65 psi		
				on behalf of the				,	c		ort and ti	hat he ha		_
the facts s	tated t	there	in, and that s	sald report is true		t. Executed			day of	ebruary			,2	16
			Witness	(if any)				τ		For	Company			
			For Com	mission	Į	FEB 17	2016			Che	cked by			
						RECE	IVED							

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 operatorThoroughbred 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 theHerrington-Twin #1 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 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.