KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Instru	ctions o	n Rev	erse Side,)					
Ор	en Flov	v				Toot Date					V Di	No. 15				
Deliverabilty					Test Date: 05/21/2013						100. 15 520386 – 1	000				
Company		Or	perating, l	nc.				Lea O'l	se Brate)			1-1	Well N	umber	
County Location Hamilton C SW SW				Section 1	TWI 23			RNG (E/W) 40W			Acres Attributed					
Field Bradshaw				Reservoir Winfield				***************************************	Gas Gathering Connection DCP Midstream Marketing LP							
Completion Date 1/5/82				Plug Back Total Depth 2675'					Packer S None	Set at						
Casing Si 4.5"	Casing Size Weight I.5" 9.5#				Internal D 4.090"		Set at 2675			rations 1	то 2642					
Tubing Size Weight 2.375" 4.7#				Internal Diameter Set at 1.995" 2649'				Perfo	rations	То	То					
Type Completion (Describe) Single(Gas)				Type Flui	Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes / No Pump Unit							
		(Anr	nulus / Tubin	g)		% C	arbon Dio	xide			% Nitrog	en	Gas	Gravity -	G _g	
Annulus Vertical D)					Pre	essure Ta	aps	· · · · ·			(Met	er Run) (l	Prover) Size	
2675 Pressure	Buildur	·	Shut in 05/	20	20	13 _{at} 7	:00	(AM)	(PM)	Taken 05	5/21	20	13 _{at} 7:00		(AM) (PM)	
Well on L	•												at			
							OBSER\	/ED SUI	RFACE	DATA			Duration of Sh	ut-in_24	4Hours	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressure		Pressure Differential in	Flowing Well H Temperature Temperature		wellhead Pressure (P_w) or (P_1) or (P_c)		Pressure	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liq	Liquid Produced (Barrels)	
Shut-In	`		psig (Pm)	In	nches H ₂ 0			85		99.4	psig 105	119.4	24			
Flow																
							FLOW S	TREAM	ATTRI	BUTES		prime		·······		
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		1	Press Extension P _m x h	tension Fac		tor Tempera		Deviation Factor F _{pv}		Metered Flo R (Mcfd)	w GC (Cubic Bar	Feet/	Flowing Fluid Gravity G _m	
				<u></u>		(OPEN FL	OW) (DEL	IVERAE	ILITY)	CALCUL	ATIONS			$P_a^2 = 0$	207	
(P _c) ² =		:	(P _w) ² =	=	:	P _d =		_%	(P	² c - 14.4) +	14.4 = _	:		P _d) ² =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	(P _c) ² - (P _w) ²		e formula 1 or 2 $P_c^2 - P_a^2$ $P_c^2 - P_d^2$ $1 by: P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slop P2.P2 Ass		ssure Curve ie = "n" or signed ard Slope		LOG	Antilog	Q	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		-										·				
Open Flo	iw.				Acfd @ 14.	65 psia		Del	liverab	ility	<u>,,</u>		Mcfd @ 14.65	psia		
						· ·	-1-1 11									
		•	d authority, o			, .			-			-	ort and that he		, 20 <u>13</u> .	
													1	(CC	WICHIT	
			Witness	(if any)				-	-				Company		0 1 2013	
			For Com	mission								Ch	ecked by		ECEIVED	

exempt status und and that the foreg correct to the best	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc. oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records
	Illation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby reque	est a one-year exemption from open flow testing for the Obrate 1-1
gas well on the gr	ounds 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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: <u>06/26/2013</u>	
	Signatura Quan Qida doch
	Title: _Dawn Richardson, Regulatory Technician III

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. Signed and dated on the front side as though it was a verified report of annual test results.

JUL 0 1 2013

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