## Kansas Corporation Commission ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(	See Instruc	tions on Re	verse Side	9)					
Open Flow					Test Date: API No. 15									
Deliverabilty					6/2/2015				15-025-21210 <b>0000</b>					
Company		Oper	ating, L.L.C	),				ease heis			Well Number 1-35			
County Clark			Locati SW SV		Section 35		TWP 34S		RNG (E/W) 25W			Acres Attributed		
Field McKinney					Reservoir Chester	· · · · -		Gas Gat	hering Conn	ection				
Completion Date 7/12/00					Plug Back Total Depth					Set at				
Casing Size 4.5			Weight 11.6		Internal Diameter 4.0		Set at 5914		Perforations 5711		то 5830			
Tubing Size 2.375			Weigh 4.7	it	Internal Diameter 1.995		Set at		Perforations		То	То		
Type Completion (Describe) Gas					Type Fluid Production					Pump Unit or Traveling Plunger? Yes / No				
Producing Thru (Annulus / Tubing) Casing				g)	% Carbon Dioxide				% Nitrog	en	Gas Gi	Gas Gravity - G <sub>g</sub>		
Vertical D	epth(F	<del> </del>  )				Pres	ssure Taps	<del>- ; · · · ·</del>			(Meter	Run) (P	rover) Size	
Pressure	Buildu	p:	Shut in 6/1	2	0_15 at 8	:00	(AM) (PM)	Taken 6/	2	20	15 <sub>at</sub> 8:00	(	(AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(	AM) (PM)	
_				-		OBSERVI	ED SURFAC	E DATA			Duration of Shut	-in_24	Hours	
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressi		Flowing Well Head Temperature Temperature		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	•		psig (Pm)	Inches H <sub>2</sub> 0			120	psia 134.4	120 .	134.4	24			
Flow			-									1.		
						FLOW ST	REAM ATTR	IBUTES						
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mc <b>fd</b>		Circle one: Meter or Prover Pressure psia		Press Extension P <sub>m</sub> xh	tension Fac		Flowing Temperature Factor F <sub>tt</sub>		riation actor = pv	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
				<u></u>									<u> </u>	
(P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub></sub> )² ≠	: :	(OPEN FL		VERABILITY	') CALCUL P₀ - 14.4) +		:		)² = 0.2 )² ≔	.07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w$	LOG of formula 1. or 2.		Backpressure Curv Slope = "n" or Assigned Standard Slope		) n x	rog [	Antilog 	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flow Mcfd @					.65 psia	Deliveral	Deliverability		Mcfd @ 14.65 psia					
		igne	d authority: o		<u> </u>	states that		•	to make th		ort and that he h		ledge of	
		-		ald report is tru		t. Execute		1	day of N	lovember			20 15 .	
Witness (if any)					<del></del>	DEC 0 2 2015				For Company				
			For Com	mission		COV	ISERVATION ( WICHITA, K	DIVISION S		Che	cked by	•		

:	w may are-
l declare un	der penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status ur	nder Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, L.L.C.
and that the fore	egoing pressure information and statements contained on this application form are true and
correct to the be	st of my knowledge and belief based upon available production summaries and lease records
of equipment ins	stallation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby req	uest a one-year exemption from open flow testing for the
gas well on the o	grounds that said well:
(0)	
(Cned	ck one) is a coalbed methane producer
	is a coalized metrialle producer is a coalized on plunger lift due to water
	is a source of natural gas for injection into an oil reservoir undergoing ER
<u> </u>	is on vacuum at the present time; KCC approval Docket No
<u> </u>	is not capable of producing at a daily rate in excess of 250 mcf/D
	1 19 Not capable of producing at a daily rate in excess of 200 months
I further agre	ee to supply to the best of my ability any and all supporting documents deemed by Commission
_	ary to corroborate this claim for exemption from testing.
- 14/46/004	15
Date: 11/16/201	<u></u>
	Signature: <u>Sara Euere A</u>
	Title: Sara Everett, Regulatory Analyst

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.

Mathematical Co.