## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:				(	See Instruc	tions on Re	everse Side	9)					
✓ Open Flow				<b>.</b>										
Deliverabilty					Test Date: 7/10/2014				API No. 15 15-077-21313 - <b>Ø000</b>					
Company Chesapeake Operating, L.L.C.						Lease Donald Muir G				Well Number				
County Location Harper 670 FSL & 1650 F				on	Section 16		TWP RNG (E/ 31S 9W			/W)	Acres Attributed			
Field Spivey-Grabs					Reservoir Mississippi			Gas Gathering Connection OneOk Field Services						
Completion Date 2/9/97					Plug Back Total Depth			Packer	Set at					
Casing S 5.5	ize		Weigh 14.0	t	Internal [ 5.012	Internal Diameter 5.012		Set at 4807		orations '0	то 4499			
Tubing S 2.375	ize		Weigh 4.7	t	Internal I	Internal Diameter 1.995		Set at 4480		orations	То			
Type Completion (Describe) Single Gas				Type Flui Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Pump Unit						
Producing Thru (Annulus / Tubing) Annulus				% C	% Carbon Dioxide			% Nitrog	jen		Gas Gravity - G <sub>g</sub> 0.6422			
Vertical D		H)				Pressure Taps					(Meter I	Run) (P	rover) Size	
4700		_				Flange					3.0			
Pressure Buildup:			Shut in <u>7/9</u>	8	14 at 8	14 at 8:00		(AM) (PM) Taken 7/10		20	14 at 8:00	(	(AM) (PM)	
Well on L	ine;		Started	2	0 at		(AM) (PM)	Taken		20	at	(	(AM) (PM)	
						OBSERVE	D SURFAC	E DATA	_		Duration of Shut-	<sub>in</sub> 24	Hours	
Static / Dynamic Property			Circle one: Meter Prover Pressu		Flowing Well Head Temperature t t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w)$ or $(P_l)$ or $(P_c)$		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In	, , , ,		psig (Pm)	Inches H <sub>2</sub> 0			psig 70	94.4	psig 80	94.4	24			
Flow													ı	
						FLOW STE	REAM ATTR	RIBUTES	_					
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		- Language -		rity .	Flowing Temperature Factor F <sub>II</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
									<b></b>					
/D \2 -			/D \2 _		•	OW) (DELIV		•				<sup>2</sup> = 0.2	07	
(P <sub>c</sub> ) <sup>2</sup> =				Choose formula 1 or 2				P <sub>c</sub> - 14.4) +			(r <sub>d</sub> )	°= <u></u> T		
$(P_a)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> -(P <sub>w</sub> ) <sup>2</sup>		1. $P_0^2 - P_0^2$ 2. $P_0^2 - P_d^2$ divided by: $P_0^2 - P_d^2$	2. P <sup>2</sup> -P <sup>2</sup> 1. or 2. and divide		P <sup>2</sup> -P <sup>2</sup> Ass		n x	LOG	Antilog Deli-		en Flow verability R x Antilog (Mcfd)	
										-				
Open Flow Mcfd @ 14.65				65 psia	5 psia Deliverability			Mcfd @ 14.65 psia						
		-	-	n behalf of the			•		_	_	rt and that he ha			
						Rece	eived						·	
	-		Witness (i	any)	KANS	AS CORPORA	TION COMMIS	SION		For C	Company	_		
For Commission						<del>JUN_</del> 2 9 2015 <del></del>					Checked 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 Chesapeake Operating, L.L.C. 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 Muir, Donald 2-16
(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.  Date: 5/11/2015
Received Signature: MMM MMM Title: Katie Wright, Regulatory Analyst  JUN 2 9 2015  CONSERVATION DIVISION WICHITA, KS  CONSERVATION DIVISION WICHITA, KS

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.