## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	st: pen Flow eliverabilty			Test Date	e:	tions on Re	everse Side	API	No. 15 7-21313 -	Adom.		
Compan	у	\norating	lna	9/26/20	13	Lease	d Music C		-21313-		Well Number	
Chesapeake Operating, Inc.  County Location  Harper NW SE SW				Section 16		TWP 31S			 W)	2-16 Acres Attributed		
Field Spivey-Grabs				Reservoir Mississippi				Gas Gathering Connection OneOk Energy Service				
Completion Date 2/9/97				Plug Back Total Depth 4748				Packer Set at				
Casing Size Weight 5 1/2 14.0			Internal ( 5.012	Diameter	Set at 4807		Perforations 4470		To 4499	т <sub>о</sub> 4499		
Tubing S 2.375	Tubing Size Weight 2.375 4.7			Internal I 1.995	Diameter	Set at 4480		Perforations		То		
Type Cor Single	mpletion (D Gas	escribe)		Type Flui Water	d Productio	n		Pump Un Pump	it or Travelin Unit	g Plunger? Yes	s / No	
Producing Annulus	•	ınulus / Tubii	ng)	% C	Carbon Diox	ide		% Nitrog	en	Gas 0 0.64	Gravity - G <sub>g</sub> 22	
Vertical E 4700	Depth(H)				Pres Flan	sure Taps	<del> </del>			(Meter	Run) (Prover) Size	
Pressure	Buildup:	Shut in 9/2	25 2	0_13_at_1		<del>-</del>	Taken 9/	26	20	13 <sub>at</sub> 10	(AM) (PM)	
Well on L	ine:	Started	2	0 at		(AM) (PM)	Taken		20	) at	(AM) (PM)	
	<del></del>	Circle one:			OBSERVE	D SURFAC				Duration of Shu	t-in 24 Hou	
Static / Dynamic Property	Orifice Size (inches)	Meter Prover Press psig (Pm)	Differential in	Flowing Well Head Temperature Temperature t t		1 Wallhand Proceurs		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In						7488.4	129.4	0	14.4	24		
Flow								<u></u>				
		Circle one:	Press	<del></del>	FLOW STR	REAM ATTR	IBUTES					
Plate Coefficci (F <sub>b</sub> ) (F Mctd	ient Pro	nt Meter or		Grav Fact F <sub>c</sub>	Tamanasas		Fa	Deviation M Factor F <sub>pv</sub>		w GOP (Cubic F Barre	eet/ Fluid	
				1.								
(P <sub>c</sub> ) <sup>2</sup> =	:	(P <sub>w</sub> )² :	=:	•	. ,	ERABILITY % (F	') CALCUL. <sup>o</sup> <sub>e</sub> - 14.4) +		:		) <sup>2</sup> = 0.207 ) <sup>2</sup> =	
(P <sub>e</sub> ) <sup>2</sup> - (F or (P <sub>e</sub> ) <sup>2</sup> - (F		P <sub>a</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2.		Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow	<u> </u>	l	Mcfd @ 14.6	55 psia		Deliverab	oility	<u></u> ,		Mcfd @ 14.65 ps	sia	
The u	undersigne	d authority, c	on behalf of the	Company, s	tates that h	e is duly at	uthorized to	make the	above repo	ort and that he h	as knowledge of	
ne facts st	tated therei	in, and that s	aid report is true	and correct	. Executed	this the _1	7	day of Oc	ctober		20 13 REI	
		Witness	(If any)	<del></del>		_			For	Company	OCT 2	
											UL. 1 A	

l de	eclare 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, Inc
and tha	t the foregoing pressure information and statements contained on this application form are true and
orrect	to the best of my knowledge and belief based upon available production summaries and lease records
of equip	ment installation and/or upon type of completion or upon use being made of the gas well herein named.
Ihe	reby request a one-year exemption from open flow testing for the Muir, Donald 2-16
jas wel	I 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
	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission
taff as	necessary to corroborate this claim for exemption from testing.
ate: 1	0/17/2013
	$\sim$ $\sim$
	Signature: Dawn Chardon
	Title: Dawn Richardson, Associate 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. KANSAS CORPORATION COMMISSION