KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Deliverability	Type Tes					(See Instruc	tions on Re	everse Side	e)				
Company Chesapeake Operating, Inc.		Open Flow Deliverabilty										7700		
Haskell S/2 NW SE 33 30S 33W		Company Chesapeake Operating, Inc. County Location				Lease Long Section TWP				Well Number			Well Number	
Field Victory	,								P RNG (E/W)			Acres Attributed		
Packer Set at Perforations Packer Set at	Field			0/2 /11		Reservoi		Gas Gathering Co						
Casing Size Weight 15.5 4.95 4.95 4.77 4.494 55.99 4.774 54.84	Complet	ion Dat	€			Plug Bac						vices		
Tubing Size	Casing S		,	•	ıt	Internal E	Diameter							
Type Fluid Production Oil/Water Pump Unit or Traveling Plunger? Type Fluid Production Oil/Water Pump Unit or Traveling Plunger? Type Fluid Production Oil/Water Pump Unit or Traveling Plunger? Type Fluid Production Pump Unit Plunger? Type Fluid Production Pump Unit Plunger? Type Fluid Production Plunger? Type Fluid Produ	Tubing 5	Size			t			Set at				144		
Producing Thru (Annulus / Tubing) % Garbon Dioxide % Nitrogen Gas Gravity - Gas Annulus Fressure Taps (Meter Run) (Proven) % Garbon Dioxide % Nitrogen Gas Gravity - Gas Annulus Fressure Taps (Meter Run) (Proven) % Garbon Dioxide % Nitrogen Gas Gravity -		mpletion	(Desc				d Productio		6	Pump Un	it or Traveling	Plunger? Yes	/ No	
Vertical Depth(H)	ningled	(Gas)			-1	Ôil/Wa	ter		 -	Pump	Unit	 -		
Pressure Buildup: Shut in 9/29 20 13 at 7:00 (AM) (PM) Taken 9/30 20 13 at 7:00 (AM) (PM)	Annulu	is	`			,a C				% Mility	en		_	
Well on Line: Started		Depth(H)				Pres	sure Taps				(Meter	Run) (Prover) Size	
Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM) Taken 20 at (AM) (PM) (PM) Taken 20 at (AM) (PM) (PM) (PM) (PM) (PM) (PM) (PM) (P	Pressure	Buildu	o: Sh	ut in 9/2	92	13 at 7	:00	(AM) (PM)	Taken_9/	30	20	13 _{at} 7:00	(AM) (PM)	
Static / Orifice Dynamic Size Property Shut-In Shut-In Flow Shut-In Flowing Property Flowing Property Flowing Property Flowing Imperature The past of the pas	Well on	Line:	Sta	arted	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
Static Orifice Orifice Orifice Original Orifice Original Orifice Original Orifice Original Origi							OBSERVE	D SURFAC	E DATA			Duration of Shut	-inHou	
Shut-in	Dynamic	atic / Orifice Meter Differential Prover Pressure in			Temperature Temperature		Wellhead (P _w) or (F	Wellhead Pressure (P _w) or (P ₁) or (P _c)		ad Pressure (P ₁) or (P _c)		Liquid Produced (Barrels)		
FLOW STREAM ATTRIBUTES Plate Coefficient (F _p) (F _p) Mctd Piate Coefficient (F _p) (F _p) Mctd Coefficient (F _p) (F _p) Prover Pressure psia Coefficient (F _p) (F _p) Factor F _{actor} F _{sactor} F _{sac}	Shut-In	psig (Pm) Inches H ₂ 0								24				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Flow													
Coefficient (F _p) (F _p) Power Pressure psia (P _c) = $(P_c)^2 - (P_c)^2$ (P _c) - $(P_c)^2 - (P_c)^2$ divided by: $P_c^2 - P_c^2$ divided by: $P_c^2 - P_c^2$ and divided by: $P_c^2 - P_c^2$ (Mcfd) (Open Flow) (DeLiverability (Mcfd) (Open Flow) (DeLiverability (P _c) - 14.4) + 14.4 = $(P_c)^2 - P_c^2$ (P _c) - $(P_c)^2 - P_c^2$ (Mcfd) (Open Flow) (DeLiverability (P _c) - $(P_c)^2 - (P_c)^2$ (Mcfd) (Open Flow) (DeLiverability (P _c) - $(P_c)^2 - (P_c)^2$ (P _c) - $(P_c)^2 - (P_c)^2$ (Mcfd) (Open Flow) (Deliverability (Mcfd) (Mcfd) (Mcfd) (Mcfd) (Mcfd) (Mcfd) (Mcfd) (Mcfd)	<u>-</u>				<u> </u>		FLOW STR	EAM ATTR	BUTES					
$ (P_c)^2 = $	Coeffied (F _b) (F	cient	Meter or Prover Pressure		Extension	Factor Te		remperature Factor	re Factor		R	(Cubic Fe	Gravity	
$ (P_c)^2 = $														
(P _c) ² - (P _g) ² (P _g	(P _a) ² =		:	(P) ² =	:									
Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia	(P _c) ² - (•	(P _e) ² - (P _w) ² 1		1. $P_c^2 - P_d^2$ 2. $P_c^2 - P_d^2$	LOG of formula 1, or 2, and divide		Backpre Slo 	Backpressure Curve Slope = "n"or Assigned		og [Open Flow Deliverability Equals R x Antilog	
Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia														
1100 0 1 1100 pala		L		<u> </u>	Mcfd @ 14.0			Deliverab	ility			Mcfd @ 14.65 ps		
, and the first transfer and			ned a	uthority, on	,		tates that h			make the				
the facts stated therein, and that said report is true and correct. Executed this the 17 day of October , 20 13 RECEIVED KANSAS CORPORATION												·	, ₂₀ <u>13</u> RECEIVED	

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, Inc. 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 Long 3-33 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.
Date: 10/17/2013 Signature: Dawn Richardson, Associate Regulatory Analyst

Instructions:

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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 wear support of annual test results.

OCT 2 3 2013