

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(•	see instruct	tions on Het	rerse Side	,			
	en Flow liverabili	у			Test Date 5/17/201					No. 15 -20161	0000	
Company Chesap		Operating,	Inc.				Lease Wood				3-13	Well Number
County Location Hamilton NWSE			Section 13		TWP 24S		RNG (E/W) 41W		Acres Attributed			
Field Bradsh	aw				Reservoir Chase					ering Conne naw Gas G		
Completic 2/17/19					Plug Back 2365	Total Dep	th		Packer S None	et at		
Casing Si 4.5	ize	Wei 10.			Internal D 4.052	iameter	Set a 2380		Perfor 2322	ations	то 2336	
Tubing Si 2.375	ze	Wei 4.7	ght		Internal D 1.995	Diameter	Set a 535 3		Perfor	ations	То	
Type Con Single (•	(Describe)			Type Flui	d Production	n		Pump Un Pump	it or Traveling Unit	Plunger? Yes	/ No
Producing		Annulus / Tub	ing)		% C	arbon Dioxi	ide		% Nitroge	en	Gas Gr .76	avity - G _g
Vertical D					·····	Pres Flan	sure Taps		•.			Run) (Prover) S
	Buildup	: Shut in 5	17	2	0_11_at_7			Taken_5/	18	20	11 at 7:00	(AM) (PI
Well on L	ine:	Started		20	0 at		(AM) (PM)	Taken		20	at	(AM) (PI
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 24 -
Static / Dynamic Property	Orific Size (inche	Prover Pre	ssure	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P _w) or (P	Pressure	Wellhea	ubing ad Pressure (P ₁) or (P _c) psia	Duration (Hours)	Liquid Produc (Barrels)
Shut-In		,		-			93	107.4	78	92.4	24	
Flow												
						FLOW STE	REAM ATTR	IBUTES				
Plate Coeffiec (F _b) (F Mcfd	ient ,)	Circle one: Meter or Prover Pressure psia	-	Press Extension Pmxh	Grav Fac F	tor	Flowing Temperature Factor	Fa	riation actor = pv	Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)	l Grav
(P _c) ² =		: (P)	2 =	<u>:</u>	•		/ERABILITY % (f		ATIONS - 14.4 =	:		² = 0.207 ² =
	P _a)²	(P _c) ² - (P _w) ²	Choo	ose formula 1 or 2. 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ed by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide		Slo	essure Curve pe = "n" - or signed lard Slope	n x t	.og []	Antilog	Open Flow Deliverabilii Equals R x Ar (Mcfd)
Open Flo	w			Mcfd @ 14.	65 psia		Deliverat	oility	<u>L</u>		Mcfd @ 14.65 ps	ia
****		gned authority				states that I	he is duly a	uthorized i	to make th	e above repo	ort and that he ha	as knowledge (
the facts s	stated th	erein, and tha	said	report is true	e and correc	t. Executed	d this the 8	th	day of	ıly		, 20
		Witne	ss (if any	<i>y</i>)			-			For	Company	RECEIVE
	,	For Co	mmisslo	on +						Che	cked by	
												SEP 0.6

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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 Wood 3-13 gas well on the grounds that said well: (Check one) is a coalbed methane producer 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. Vision to capable of producing at a daily rate in excess of 250 mct/D I further agree to supply to the best of my ability any and all supporting documents deemed by Commiss staff as necessary to corroborate this claim for exemption from testing. Date: July 8, 2011 Signature: David Wiist, Production Engineer
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Date: July 8, 2011 Signature: DJ DAJ
Signature: D.J. W.A.J.
Signature: D.J. W.A.J.
Title: _David Wiist, Production Engineer

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.

RECEIVED
SEP 0 6 2011

KCC WICHITA