Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:				6	See Instruc	tions on Re	verse Side	e)				
✓ Op	en Flov	٧			Test Date	·			APL	lo. 15			
Deliverabilty			9/4/2015				API No. 15 15-189-20889 -0000						
Company Chesape)per	ating, L.L.C		-	•	Lease Hitch I	Land & 0	Cattle		1-18	Well Nun	nber
County Location Stevens 330 FSL &			on & 4290 FEL	Section 4290 FEL 18			TWP 'RNG (E) 32S 35W		V)		Acres At	tributed	
Field Walkern	never		- "		Reservair Morrow	r		-		ering Conne Energy Ser			
Completion Date			Plug Bad 5820	k Total Dep	th	Packer Set at		et at					
Casing Size 5 1/2			Weight 15.5		Internal Diameter 4.950		Set at 6378		Perforations 5642		To 5654		
Tubing Size 2 3/8			Weight 4.7		Internal Diameter 1.995		Set at 5625		Perforations		То		. '
Type Com Single C		ı (De				d Productio		· -		t or Traveling		/ No	
Producing		(Anr	nulus / Tubing	r) :	% C	arbon Diox	ide		% Nitroge			avity - G	9
Tubing Vertical D 6448	Pepth(H	l)		· <u></u>		Pres	ssure Taps				(Meter F	Run) (Pro	over) Size
Pressure	Buildup	p: ;	Shut in	2	0_15_at_8:	:00	. (AM) (PM)	Taken 9,	4	20	15 at 8:00	(A	M) (PM)
Well on Line:		;	Started								at	(AM) (PM)	
						OBSERVE	ED SURFAC	E DATA			Duration of Shut-	_{in_} 24	Hours
Static / Dynamic Property			Circle one: Meter Prover Pressu		Flowing Temperatuee t	Well Head Temperature	I Wallhaad Preceura		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	<u>'</u>	•	psig (Pm)	Inches H ₂ 0		1	psig 82	96.4	psig 82	96.4	24		
Flow										_			
	t					FLOW ST	REAM ATT	RIBUTES		_			
Plate Coefficient (F _b) (F _p) Mofd		Pro	Circle one: Meter or over Pressure psia	Press Extension √ P _m x h	Gravity Factor		Flowing Temperature Factor F _{ft}		eviation Metered Flow Factor R F _{pv} (Mcfd)		v GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m
					(OPEN FL	OW) (DELIV	/ERABILÎT	/) CALCUL	L ATIONS		(P.)	²= 0.20	J 97
(P _c) ² =		_:		:	P _d =		% (P _c - 14.4) -	- 14. 4 =	:	(P _d)		··
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	(P _o) ² - (P _w) ² 1. P _o ² - 2. P _c ² - divided by: P _o		LOG of formula 1. or 2. and divides D 2. D		Backpressure Cun Slope = "n" or Assigned Standard Slope		n x LOG		Antilog De		en Flow verability R x Antilog Mofd)
		_		-	-							_	
Open Flo				Mcfd @ 14.	65 pois		Delivera	hility			Mcfd @ 14.65 psi		
		iane	d authority, o			states that			to make the		ort and that he ha		edge of
		-	·	aid report is true		t. Executed	d this the _3		day of No				o <u>15</u>
			116,		43	Re NSAS CORPO	CEIVED RATION COMM	•			·		
			Witness (rany)		DEC	0 2 2015	j		For	Company		
-			For Comn	ission		-	ATION DIVISION			Che	cked by		

exempt sta	tre under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, L.L.C. ne foregoing pressure information and statements contained on this application form are true and
of equipme	he best of my knowledge and belief based upon available production summaries and lease records ent installation and/or upon type of completion or upon use being made of the gas well herein named. by request a one-year exemption from open flow testing for the Hitch Land & Cattle 1-18
gas well or	n the grounds that said well:
	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 er agree to supply to the best of my ability any and all supporting documents deemed by Commission cessary to corroborate this claim for exemption from testing.
Date: <u>11/3</u>	3/2015
	Signature: 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.