KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	ctions on Re	verse Side))					
Open Flow				Test Date	a:			API	No. 15					
De	liveral	oilty			7/7/201						19,023-000	0		
Company Chesape		Ope	rating, L.L.0).			Lease Birdie (Clark			1-7	Well Nu	mber	
County Barber			Location C N2 NW		Section 7		TWP 34S		RNG (E/W) 13W		Acres Attributed		Attributed	
Field Aetna					Reservoir Mississippi				tering Conn Energy Ser					
Completic 4/1/64	on Da	te			Plug Bac 4896	k Total Dep	oth		Packer S None	et at				
Casing Size 5.5		Weight 14			Internal Diameter 5.012		Set at 4924		Perforations 4848		то 4866			
Tubing Size 2.375			Weigl	nt	Internal Diamete 1.995		Set at 4839		Perforations		То	То		
Type Con Single (n (D	escribe)		Type Flui None	d Productio	on		Pump Un Pump		g Plunger? Yes	/ No		
Producing	g Thru	(An	nulus / Tubin	g)	% C	arbon Diox	de		% Nitroge		Gas Gr	avity - (a ₉	
Annulus Vertical D		⊔ \				Dres	ssure Taps				- /Motor l	Bun\ /B	rover) Size	
4857	ehai(i	7/				rie:	ssure raps				(INICIOI I	רווטרו (די	lover) Size	
Pressure	Buildu	ıp:	Shut in 7/6	2	20_14 at_8	:00	(AM) (PM)	Taken 7/	7	20	14 at 8:00	(AM) (PM)	
Well on L	ine:		Started	2	0 at		. (AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERV	ED SURFACI	E DATA			Duration of Shut-	in_24	Hours	
Static / Dynamic Property	Orif Siz (inch	.0	Circle one: Meter Prover Press		Flowing Temperature	Well Head Temperature	Cas Wellhead (P,) or (P	Pressure	Wellhea	ubing of Pressure (P _t) or (P _o)	Duration (Hours)	1	Hours Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H ₂ 0	-	•	psig 90	psia 104.4	psig 30	psia 44,4	24	 -		
Flow	-	-	-			-				<u> </u>	,	 		
<u> </u>				!		FLOW STI	REAM ATTRI	BUTES	L					
Plate Coeffiec (F _b) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Fact	Factor Factor Factor		Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m			
			- · · · · · · · · · · · · · · · · · · ·						1					
(P _c) ² =		_;	(P _w) ² =	<u> </u>	(OPEN FLO		/ERABILITY) % (P	CALCUL ' _o - 14.4) +		;	(P _a); (P _a);	2 = 0.20 2 =	07	
(P _o) ² - (F or (P _o) ² - (F	-	(F) _c)²- (P _w)²	Choose formula 1 or 2 1. $P_a^2 - P_n^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d^2$	LOG of formula 1. or 2. and divide	P _c ?-P _w 2	Slop	ssure Curve le = "n" or signed ard Slope	n x L	об	Antilog	Dell Equals	en Flow verability R x Antilog Mcfd)	
										_				
Open Flor	l ~				65 psia			ilitv			Mcfd @ 14.65 psi	 a		
 '		iane	f authority o		•	tatae that s		<u></u>	make the		rt and that he ha		odgo of	
		_		aid report is true	and correct	t. Executed Re	-			•	Trans that he ha		20 <u>15</u> .	
			Witness (Witness (it any)			2 9 2015			For Company				
			For Comm	Ission			_	N		Chec	cked by			
							TION DIVISIO HITA, KS	N						

Signature:	
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 Birdie Clark 1-7 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. vision to capable of producing at a daily rate in excess of 250 mcf/D If further agree to supply to the best of my ability any and all supporting documents deemed by Commissio staff as necessary to corroborate this claim for exemption from testing. Date: 5/8/2015 Signature: Katie Wright, Regulatory Analyst	
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 Birdle Clark 1-7 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. vis 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 Commissio staff as necessary to corroborate this claim for exemption from testing. Date: 5/8/2015 Signature: Received KANSAS CORPORATION COMMISSION Title: Katle Wright, Regulatory Analyst	
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 Birdle Clark 1-7 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 Commissio staff as necessary to corroborate this claim for exemption from testing. Date: 5/8/2015 Signature:	
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 Birdie Clark 1-7 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 mct/D I further agree to supply to the best of my ability any and all supporting documents deemed by Commissio staff as necessary to corroborate this claim for exemption from testing. Date: 5/8/2015 Signature: Katie Wright, Regulatory Analyst	
(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 Commissio staff as necessary to corroborate this claim for exemption from testing. Received Signature:	i equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
(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 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 Commissio staff as necessary to corroborate this claim for exemption from testing. Date:	
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 Commissio staff as necessary to corroborate this claim for exemption from testing. Date:	(Chack one)
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 Commissio staff as necessary to corroborate this claim for exemption from testing. Date:	
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 Commissio staff as necessary to corroborate this claim for exemption from testing. Date: 5/8/2015 Signature:	
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: 5/8/2015 Signature:	
I further agree to supply to the best of my ability any and all supporting documents deemed by Commissio staff as necessary to corroborate this claim for exemption from testing. Date:	
Signature:	To the surple of producing and analy halo in cheese of Economic
Date: 5/8/2015 Received Signature: Wight, Regulatory Analyst	I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
Received Signature: LUU W.M. Signature:	aff as necessary to corroborate this claim for exemption from testing.
Received Signature: LUU W.M. Signature:	
Received Signature: LUU W.M. W.	ata: 5/8/2015
Received Signature:	ald
Received Signature:	
Received Signature:	
Received Signature:	Maria
KANSAS CORPORATION COMMISSION	Signature: 1,0000 1/070(1/1/100)
	KANSAS CORPORATION COMMISSION
JON 5 8 Solo	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.