KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Type Test	t:					(See Instruc	tions on R	everse Sid	e)					
Op	en Flov	W											·	
De	liverab	ilty									No. 15 510481-00-00			
Chesar		Оре	erating, Ir	nc.			_{Lease} Nagel	ΙB			1	Well N	umber	
County Location Stafford SE SE SW				Section 3		TWP 24S			/W)	Acres Attributed		Attributed		
Field Macksville					Reservoi Missis				Gas Gathering Conr SemGas, L.P.		ection		RECE	
Completion Date 2/16/61					Plug Bac 4011	ck Total Dep	th	h Packer Set at		Set at			SED OF	
Casing S 5.5	Casing Size Weight 5.5 14			Internal I 5.012	Diameter	Set at 4124		Perforations 3984'		To 3990' KCO		'O-		
Tubing Size Weight 2 3/8 4.7				Internal I	Diameter	Set at 3987			rations To		^	RECEIVE SEP 0 7 2 CC WICHI		
Type Con Single ((Des	cribe)	.,,.		id Productio			Pump U Pump	nit or Traveling Unit	Plunger? Yes			
		(Annu	lus / Tubing)	% C	Carbon Diox	ide	•	% Nitro		Gas Gr	avity -	 G_	
Annulus	3									•	2.3.2 01	,	⁻ g	
Vertical D 4124'	epth(H)				Pres	sure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildup	o: Sh	nut in _8/23	3 2	0 12 at 8		(AM) (PM)	Taken_8/	24	20	12 _{at} 8		(AM) (PM)	
Well on L	ine:	St	arted	2	0 at		(AM) (PM)) Taken		20	at		(AM) (PM)	
			Circle one:	D		OBSERVE	D SURFAC				Duration of Shut-	in _24	Hours	
Static / Dynamic Property	Orific Size (inche	ifice Meter Size Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Wellhe	Tubing pad Pressure or (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In			***************************************		7.7.1		135	149.4	0	14.4	24			
Flow														
						FLOW STR	REAM ATT	RIBUTES						
Plate Coeffieci (F _b) (F _r Mcfd	ent ,)	Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Grav Fact	tor	Flowing Temperature Factor F _{f1}	Fa	viation Metered Flo actor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
					(OPEN FLO	OW) (DELIV	ERABILITY	() CALCUL	ATIONS					
(P _c) ² =		.:	(P _w) ² =_	:			•	<i>.</i> P _c - 14.4) +		:	(P _a) ⁻ (P _d)	2 = 0.2 2 =		
(P _c) ² - (F or (P _c) ² - (F)2 a)2	(P _c) ² - (P _w) ²		: 1. P _c ² - P _a ² 2. P _c ² - P _d ² wided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x	LOG	Antilog	Op Del Équals	Open Flow eliverability als R x Antilog (Mcfd)	
·														
Open Flow Mcfd @ 14.65				55 psia		Deliverat	Deliverability		<u> </u>	Mcfd @ 14.65 psia				
				behalf of the						e above repor	t and that he ha	s knów	ledge of 20 12 .	
			Witness (if a	any)			-			For Co	ompany			
			For Commis	sion			-	<u> </u>		GE .	rod by			
			ror Commis	SIUR						Check	red by			

SEP 0 7 2012

KCC WICHITA

I declare unde	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	er Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc
and that the foreg	oing 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 insta	Illation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby reque	est a one-year exemption from open flow testing for the Nagel B 1
gas well on the gro	ounds 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
\checkmark	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
	to corroborate this claim for exemption from testing.
otan do nococcary	to correspond this diality for exemption from testing.
0/0/40	
Date: 9/6/12	
	Signature: Alatha Lowbre
	Title: Aletha Dewbre, Regulatory Specialist I

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.