KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruct	tions on Rev	erse Side)			
Op	en Flov	N									_	
Del	liverabi	ilty			Test Date 8/2/2011				API 075	No. 15 5-20701 -	000	
Company		Or	erating, In	ıc.			Lease Thurow	,				Well Number
County Hamilto		<u> </u>	Location SW NE	on	Section 11		TWP 23 S		RNG (E/	W)		Acres Attributed
Field Bradsh			017 112	- 112	Reservoir Winfiel				Gas Gat	hering Conne Energy Ser		
Completic 8/19/99	on Date	0	· · · · · · · · · · · · · · · · · · ·			k Total Dept	th		Packer S None		····	
Casing St			Weight		Internal E 4.052	Diameter	Set a 2629			rations	To 2572	
Tubing Si	ze		Weight		Internal C	Diameter	Set a 2583	t		rations	То	
2.375 Type Con	ndetior	1 (De			1.995	d Production		····	Pump Ur	nit or Traveling	Plunger? Yes	/ No
Single (Gas		,		Water				Pump	Unit		
Producing Annulus		(Anr	iulus / Tubing)	% C	Carbon Dioxi	de		% Nitrog	en	Gas Gra . 779	avity - G
Vertical D	epth(H	1)				Pres	sure Taps				(Meter F	Run) (Prover) Size
2630						Flan					2.067	
Pressure	Buildu	p: :	Shut in	2	0_11_at_7	:00	(AM) (PM)	Taken_8/	3	20	11 at 7:00	(AM) (PM)
Well on L	ine:	;	Slarted	2	0 at		(AM) (PM)	Taken	•	20	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24 Hours
Static / Dynamic Property	Orific Size (inche	9	Gircle one: Meter Prover Pressu	Pressure Differential re in	Flowing Temperature t	Well Head Temperature t	Casi Wellhead I (P _w) or (P	Pressure	Wellhe	fubing ad Pressure r (P _r) or (P _e)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	(1110111	031	psig (Pm)	Inches H ₂ 0	•	,	psig 38	psia 52.4	psig 114	psia 128.4	24	
Flow										120.4	24	
						FLOW STR	REAM ATTRI	BUTES	<u> </u>			
Plate Coeffiec (F _b) (F Mcfd	ient	Pro	Circle one: Meter or over Pressure psia	Press Extension P _m x h	Grav Fac	tor	Flowing Temperature Factor F _{II}	Fa	iation ctor	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m
					(OPEN FL	OW) (DELIV	'ERABILITY)	CALCUL	ATIONS		(P _a)	² = 0.207
(P _c) ² =		_:_	(P _w) ² =	<u> </u>	P _d =		% (P	- 14.4) +	14.4 =	:	(P _d)	2 =
(P _e) ² - (I or (P _e) ² - (I	P _a) ²	(F	P _c) ² - (P _w) ²	1. P _c ² -P _s ² 2. P _c ² -P _d ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slop	ssure Curve e = "n" or signed	n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
ļ				sivided by: Pc P	by:	<u> </u>	Standa	ard Slope				(
								•				
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 psi	а
The	unders	igned	d authority, or	behalf of the	Company, s	states that h	ne is duly au	thorized to	o make th	ne above repo	ort and that he ha	s knowledge of
the facts s	tated t	herei	n, and that sa	id report is tru	e and correc	t. Executed	this the 21	 سيسـل	day of S	eptember		. 20 11 .
• • • • • • • • • • • • • • • • • • • •			Witness (if	any)			-	-	M	For	Company	ECEIVED -
			For Comm	ssion			-			Che	cked by OC	T 17 2011

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 Thurow 3-11
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: 9/21/2011
Signature:

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

OCT 17 2011

KCC WICHITA