Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:	:				G	See Instru	ctions on R	everse Sid	de)					
Open Flow				Test Date	, .		•	ΔÞ	l No. 15					
Del	liverab	ilty			6/24/201					-129-20655 ·	- 0000			
Company Chesape		Oper	ating, L.L.C.				Lease Hayw	ard				1-20 W	ell Nur	nber
County Morton		Location 660 FSL & 1980 FWL		Section 20		TWP 31S			:/W)		· Acres Attributed			
Field Kinsler					Reservoir Morrow				-	ering Connection Istream Marketing LP				
Completion Date 4/25/83		e		Plug Back 5515	k Total De	pth	Packer Set at							
Casing Size 7.0			Weight 20.0	Weight 20.0		Internal Diameter 6.456		Set at 5694		orations 9	-	то 5022		
Tubing Size 2.875			Weight 6.5		Internal Dian 2,441		eter Set at 5110		Perfe	orations	Ţ	То		
Type Completion (n (De	(Describe)		Type Flui Oil	d Producti	on		Pump U Pump	g Plunger?	unger? Yes / No			
Producing	Thru	(Anr	nulus / Tubing)	% C	arbon Dio	xide		% Nitro			Gas Gra	vity - G	9
Annulus														
Vertical D 5700	epth(F	1)				Pre	essure Taps				(1	Meter R	un) (Pr	over) Size
Pressure	Buildu	ıp:	Shut in 6/23	32	0_15_at_8:	:00	_ (AM) (PM	Taken_	6/24	20	15 at 8	:00	(/	AM) (PM)
Well on L	ine:		Started	20	0 at		_ (AM) (PM	Taken_		20	at		(/	AM) (PM)
						OBSERV	ED SURFAC	E DATA			Duration o	f Shut-ir	24	Hours
Static / Dynamic Property	Orifi Siz (inch	:e	Circle one: Meter Prover Pressu	1	Flowing Temperature t	Well Head Temperatur t	Wellhea	sing d Pressure P _t) or (P _c)	Wellh	Tubing ead Pressure or (P_t) or (P_c)	Duratio (Hours		,	Produced arrels)
Shut-In			psig (Pm)	Inches H ₂ 0			psig 4	psia 18.4	psig 30		24			
Flow														
				I		FLOW ST	REAM ATT	RIBUTES			_			
Plate Coeffiec (F _b) (F Mofd	ient ()	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Fac F	tor	Flowing Temperature Factor F _{rt}	rure Factor R (Cubic Feet/		Flowing Fluid Gravity G _m				
					(ODEN EL	OW) (DELI	IVEDADU IT	V) CAL CI	II ATIONS	<u> </u>			-	
(P _c) ² =		_:_	(P _w) ² =		P₀≃		IVERABILIT _ <u></u>	•	+ 14.4 = _	:		(P _a) ² (P _d) ²	= 0.20 =)7
(P _c) ² - (I or (P _c) ² - (I	P _a)²	(F	P _e) ² - (P _w) ²	Choose famula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2 and divide	P _c ² -P _w ²	SI A	essure Cur ope = "n" or ssigned dard Slope	n x	LOG	Antilo	g	Deli Equals	en Flow verability R x Antilog Mcfd)
		_						_						
Open Flo				 Mcfd @ 14.	65 psia		Delivera	bility			Mcfd @ 14	l.65 psia	<u> </u>	
		iane	d authority or	n behalf of the		etatos that		····	I to make	the above ren		<u> </u>		edge of
		-		uld report is true		t. Execute	ed this the _	3	_ day of _	November				15 .
-			Witness (I	any)			ORPORATION C			For	Company			
			For Comm	Ission					<u> </u>	Che	scked by			
						CONS	ERVATION DIV WICHITA, KS	NOISIN			·			

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l de	clare 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, L.L.C.
and tha	t 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
	ment installation and/or upon type of completion or upon use being made of the gas well herein named.
i he	reby request a one-year exemption from open flow testing for the Hayward 1-20
jas wel	on the grounds that said well:
	(Check one) is a coalbed methane producer
	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
	To not supusic of producing at a daily fate in choose of 200 months
l fur	ther agree to supply to the best of my ability any and all supporting documents deemed by Commissio
taff as	necessary to corroborate this claim for exemption from testing.
hato: 1	1/3/2015
/αισ. <u>·</u>	:
	Signature: Saratuere to
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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.

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