KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

一点。 医虫

Type Tes	t:				(See Instruc	tions on Re	everse Side	9)					
= '	oen Flov eliverabi				Test Date 8/28/20					l No. 15 ·189-20146 -	AAAA			
Company		perating, L.I	 L,C.		6/26/20	14	Lease Winter	r	70-	109-20140	<u> </u>		Vell Nun	ıber
County Location Stevens 1980 FSL & 4620 FEL			Section 31				RNG (E/W) 36W			Acres Attributed				
Field Hanke			Reservoi	Reservoir Morrow			Gas Gathering Connection Oneok Energy Services			KCCIA				
Completion Date 9/20/72			Plug Bac	Plug Back Total Depth 6454			Packer Set at			To RECEIVE				
Casing Size Weight 5.5 10.5			Internal D 4.052	Diameter	Set at 6494		Perfo	orations 4		To RECEA		-45- 2(
Tubing Size Weight 2.375 4.7				Internal Diameter Se 1.995 63				Perforations			To E			
Type Completion (Describe) Gas				Type Flui Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes Pump Uniut				/ No		
Producing	_	(Annulus / Tul	bing)		% C	arbon Dioxi	ide		% Nitrog	gen		Gas Gra	vity - G	1
Vertical E						Pres	sure Taps					(Meter R	un) (Pro	ver) Size
Pressure	Buildup	: Shut in _8	/27	2	0 <u>14</u> at 8	:00	(AM) (PM)	Taken_8/	28	20	14 at_	8:00	(A	.M) (PM)
Well on L	.ine:	Started		2	0 at		(AM) (PM)	Taken		20	at _		(A	M) (PM)
				Pressure		OBSERVE	D SURFAC				Duration	of Shut-in	_24	Hour
Static / Orifice Dynamic Size Property (inches)		e Mete	Circle ane: Meter Prover Pressure psig (Pm)		Flowing Well Head Temperature t		Casing Welihead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_t) or (P_σ) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In					-		32	46.4	0	14.4	24			
Flow			_										l 	
					-	FLOW STR	REAM ATTE	RIBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter ot Prover Pressure psia		Press Grav Extension Fact √ P _m ×h F ₉		or Temperature		Fa	iation ictor pv.	Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m
			ı		ODEN EL	OW) (DELIV	EDABII ITV	/) CALCUI	ATIONS					
(P _c) ² =		.: (P _w)	2 = <u> </u>	:	P _d =			P _c - 14.4) +		:		(P _a) ²	= 0.201 =	<i>,</i>
(P _c) ² - (I or (P _c) ² - (I	- 1	(P _c) ² - (P _w) ²		oose formula 1 or 2 1. $P_0^2 - P_0^2$ 2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_w^2$	LOG of formula 1. or 2.	P ₀ ² - P _w ²	Backpre Slo 	essure Curve ope = "n" - or ssigned dard Slope	n x	roe	Anti	ilog	Deliv Equals F	n Flow erability R x Antilog lofd)
	\dashv		+		1				-	· ·				
Open Flow Mcfd @ 14.65 psia					Deliverability			Mcfd @ 14.65 psia						
		ned authority								ne above repo lay		at he has		_
		Witne	ss (if an	y)		<u>-</u>	-			For C	ompany			
		For Co	mmissi	oh			-			Chec	ked by			

	jury under the laws of the state of Ka 2-3-304 on behalf of the operator <u>Che</u>	ansas that I am authorized to request esapeake Operating, L.L.C.
		on this application form are true and
		oduction summaries and lease records
	·	ng made of the gas well herein named.
• •	emption from open flow testing for the	Winter 2-31
gas well on the grounds that said w		KCo
gus non on me grounde mar eara n		KCC WICHITY JUN 05 2015 RECEIVED
(Check one)		JUN 15 2015
is a coalbed me	thane producer	RECEIL
is cycled on plu	inger lift due to water	LIVED
is a source of na	atural gas for injection into an oil rese	
is on vacuum at	t the present time; KCC approval Dock	ket No
is not capable o	of producing at a daily rate in excess	of 250 mcf/D
•	best of my ability any and all support this claim for exemption from testing.	ting documents deemed by Commission
Date: 5/12/2015		
	Signature: <u>Kutul U</u>	
	Title: Katie Wright, Reg	gulafory 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.