Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test: Ope	en Flow					tions on Reve	erse Side)		N. 45		
Deli	iverabilty			Test Date 03/24/20					No. 15 -21294-00-0	et	
Company Rock Creek Resources, LLC						Lease Gardiner				16 #1	Well Number
County Clark	•			Section 16				RNG (E/W) 24W		Acres Attributed	
Field Vildcat			Reservoir Chester			Gas Gathering Cont Duke Energy Field					
Completion Date 08/10/05				Plug Baci 5790'	k Total Dep	th	Packer Set at N/A		Set at		
Casing Siz 4 1/2	10.5#			Internal Diameter 4.052		Set at 5948'		Perforations 5510'		то 5562'	
Tubing Siz 2 3/8			Internal Diameter 1.995		Set at 5874 '		Perforations		То		
Type Completion (Describe) Single					d Productio			nit or Traveling	Plunger? Yes	/ No	
.	Thru (An	nulus / Tubing)		% C	arbon Diox	ide		% Nitrog	en	Gas G	ravity - G _g
Tubing 8		g									
Vertical De	epth(H)				Pres	sure Taps				(Meter	Run) (Prover) Size
Pressure (M(AM) (PM)
Well on Li	ine:	Started	2	υ at		(AM) (PM) I	акеп		20	aı	(AM) (PM)
					OBSERVE	D SURFACE	DATA			Duration of Shut	-in Hours
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ 0	• [Well Head Temperature t	Wellhead Pressure Wellhe (P_w) or (P_f) or (P_c) (P_w) c		Tubing ead Pressure or (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		psig (Fili)	incres H ₂ 0			psig 123	psia	psig 5	psia	24	
Flow											
					FLOW ST	REAM ATTRIE	UTES				
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia Press Extension √ P _m x h		Gravity Factor F _g		Flowing Temperature Factor F _{tt} Deviation Factor F _{pv}		otor	Metered Flor R (Mcfd)	w GOR (Cubic Fo	eet/ Fluid Gravity
]				
(P _c) ² =	:	(P) ² =	<u> </u>	•		'ERABILITY) ا			:	(P _a (P _d) ² = 0.207) ² =
(P _c) ² - (P or (P _c) ² - (P	P _a) ² ((P _c) ² - (P _w) ²	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ 2. $P_c^2 - P_d^2$	LOG of formula 1. or 2. and divide		Backpress Slope 	sure Curve = "n" or		rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
									····		
			W-11 @ 44	05		Delinerabil				Mold @ 14 65 pa	nio.
Open Flov			Mcfd @ 14.	•		Deliverabil				Mcfd @ 14.65 ps	
	_	ed authority, on ein, and that said						make t		ort and that he h	as knowledge of, 20 13
31		and mar ban					`	~		"AL	KCC WICH
		Witness (if a	iny)					Li	For	Company	JUL 0 5 201
											JOE 0.3 50

exempt status u	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Rock Creek Resources, LLC regoing pressure information and statements contained on this application form are true and
correct to the be	est of my knowledge and belief based upon available production summaries and lease records stallation and/or upon type of completion or upon use being made of the gas well herein named. quest a one-year exemption from open flow testing for the
	grounds that said well:
I further ag	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
	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 Wichke Competitive 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. JUL 05 2013