## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Type Test	i:				(	See Instruc	tions on Reve	erse Side	)					
Open Flow				Test Date	\·			ΛDI	No. 15					
Deliverabilty				8/20/20			025	00						
Company Rock Cre		Reso	urces, LLC				Lease <b>Gardiner</b>		<del></del>		23 #1	Well Nur	mber	
County Location Clark C SW SE				Section 23		TWP 34S		RNG (E/W) 24W		Acres Attributed				
Field Wildcat					Reservoir Chester					hering Conni idstream, LF				
Completion Date 06/24/04				Plug Bac 5747'	k Total Dep	th	Packer S NONE		Set at					
Casing Size 4 1/2			_	Weight 10.5#		Internal Diameter 4.052			Perforations 5485'		то <b>5508</b> '			
Tubing Size 2 3/8			Weigh 4.7#	nt	Internal [ 1.995		Set at <b>5451</b> '		Perforations		То			
Type Completion (Describe) Single				Type Flui Water	Type Fluid Production  Water			Pump Unit or Traveling Plunger? Yes / No Yes Rod Pump						
			nulus / Tubin	g)	% C	arbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G	i <sub>g</sub>	
Tubing Vertical D			9			Deep					/A.A			
vertical L	epin(i	٦)				Pres	sure Taps				(Meter I	(Pr	over) Size	
Pressure	Buildu	ıp:	Shut in _8/2	2	0_15_at_6	:00AM	(AM) (PM)	raken_8/	24	20	15 at 6:00A	<u>√</u> (/	AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(	AM) (PM)	
-						OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24	Hours	
Static / Orifice Dynamic Size			Circle one: Meter Prover Pressi	Pressure Differential	Flowing Well Head		Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration		Liquid Produced	
Property (inches		ies)	psig (Pm)	ure in Inches H <sub>2</sub> 0	t	t	$(P_w) \text{ or } (P_t) \text{ or } (P_c)$ psig psia		(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		(Hours)	(8	Barrels)	
Shut-In							180		155		24			
Flow														
,					· · · · · · · · · · · · · · · · · · ·	FLOW STR	EAM ATTRI	BUTES	1		<u> </u>	.1		
Plate			Circle one:	Press Gravity Flowing Deviation Metered Flow GOR Flowing										
Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> )		Pro	Meter or over Pressure	Extension	Fact	tor 7	Temperature F		actor R		(Cubic Fe	et/	Fluid Gravity	
Mcfd			psiá 	√ P <sub>m</sub> xh	F	·	F <sub>ft</sub>		F <sub>pv</sub> (Mcfd)		Barrel)		G <sub>m</sub>	
				•	(OPEN FLO	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		/D.\:	2 0.00		
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =		$P_d = 0$		% (P <sub>c</sub>	- 14.4) +	14.4 =	;		? = 0.20 ? =		
(P <sub>c</sub> ) <sup>2</sup> - (F	D 12	/5	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2	LOG of	ГП		ure Curve		r 7		Ope	en Flow	
or (P <sub>e</sub> ) <sup>2</sup> · (F		(1	c/ - (' w/	<ol> <li>P<sub>c</sub><sup>2</sup> - P<sub>a</sub><sup>2</sup></li> <li>P<sub>c</sub><sup>2</sup> - P<sub>d</sub><sup>2</sup></li> </ol>	formula 1. or 2.			r = "n" )r	nxl	.og	Antilog	Deliv	verability R x Antilog	
(P <sub>c</sub> )2- (F	ر <sub>ة</sub> )2			divided by: $P_c^2 - P_w^2$	and divide	P.2 - P.2		gned d Slope				1	Mcfd)	
						<del>,</del>		***	_					
Open Flow				Mcfd @ 14.	65 neia		Deliverabili	tv			Mcfd @ 14.65 psi	<u> </u>		
			d		•						<del></del>			
											rt and that he ha		-	
the facts st	tated t	herei	n, and that sa	aid report is true	and correct	t. Executed	this the 141		7) of 1/2	ecember	/	, 2	15	
:					F	Received	_	26	< $ $ (	17V				
		7.000	Witness (i	f any)	KANSAS COR	PORATION CO.	MMISSION	7		For C	Company			
			For Comm			2 1 20		$\overline{}$	_	Chec	ked by			
							r <del>e</del>							

CONSERVATION DIVISION WICHITA, KS

	r penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status unde	er Rule K.A.R. 82-3-304 on behalf of the operator Rock Creek Resources, LLC
and that the forego	sing pressure information and statements contained on this application form are true and
correct to the best of	of my knowledge and belief based upon available production summaries and lease records
• •	ation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby reques	st a one-year exemption from open flow testing for the Gardiner 23 #1
gas well on the grou	unds that said well:
(Check c	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
<u> </u>	is not capable of producing at a daily rate in excess of 250 mcf/D
•	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: December 1	4, 2015
KANSAS	Signature  Received SCORPORATION COMMISSION
24	DEC 2 1 2015
CON	VSERVATION DIVISION

Instructions:

WICHITA, KS

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.