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

pe Test: ANNUA	<del>\</del> L													
Open Flow Test Date: 8/31/2011									AF	'l No.	<sup>15 -</sup> 025	-21335-0	1-00	
Deliverability														
mpany						Lease	· · · · · · · · · · · · · · · · · · ·					Well N	umber	
<u>OG RESOURC</u>					ARDINER					23 #3H				
nty Location			Section			TWP			RNG (E/W)			Acres Attributed		
LARK N/2 SW SE			23 Reservoir			<u>34S</u>					athering Connection			
eld			CHES						DUKE ENERGY FI			RVICES		
npletion Date	Plug Back Total Depth				Packer Set at									
/20/06	7201			N/A										
sing Size Weight			Internal Diameter			Set at			Perforation	S	То			
1/2 10.5#			4.052			7244'			5788'		)'			
ing Size				Internal Diameter						s	То			
3/8 4.7#			1.995			5392 '					2002	Voc. /	No V	
pe Completion (Describe) INGLE			Type Fluid Production WATER			Pump Unit or Traveling Plunger?						Yes / No X		
ducing Thru (Ar BING & CAS	nnulus / Tubing) SING		% Car	bon Dioxide			% I	Nitro	gen		Gas Gr	ravity-G <sub>g</sub>		
tical Depth (H)	Pressure Taps					(Meter Run) (Prover) Size								
essure Buildup: Shut in <u>8/30</u>			20 <u>11</u> at <u>6:00</u> AM				AM	taken <u>8/31</u> 20 <u>11</u> at <u>6:00</u> AM						
on Line: Started			20 at				_	taken 20 at					<del></del>	
				OBSERVE	D SU	IRFACE	DATA				Duration	of Shut-in	1d	
	Circle One	Pressure				Casing			Tubing			Duration	Liquid Produced	
Static/ Orific Dynamic Size Property inche	Meter or Prover Pressure	Differential in (h) inches H O	Flowing Temperature t	Well Head e Temperature t	\	Wellhead Pressure (P <sub>W</sub> )or (P <sub>t</sub> )(P <sub>C</sub> )		Wellhe (P <sub>w</sub> )c		ead Pressure for (P <sub>t</sub> )(P <sub>C</sub> )		(Hours)	(Barrels)	
	paig	Inches 11 O				osig	psia	-	psig	-	psia	24		
hut-in			-		135	<u> </u>			100			24	<u> </u>	
low									<u>.</u>					
	·			FLOW ST	REAN	/I ATTR	IBUTES				•			
Plate	Circle One			0,011.,		Flowing					ered Flow	GOR	Flowing	
Coefficient (F <sub>b</sub> )(F <sub>p</sub> ) Mcfd	Prover Pressure			F		Temperature Factor		í	Factor F pv		.R (Mcfd)	(Cubic Fee Barrel)	t/ Fluid Gravity	
Mcfd	psig	√P <sub>m</sub> ×h	w .	, ,9 \	<u> </u>	F <sub>ft</sub>		pv		(,			G m	
					" "									
			JEN FLO	W) (DELIVI	FRAR	III ITW	CALCUI	A TI	ONE			1		
			PEN FLO	W) (DELIVI	EKAD	SILII Y)	CALCUL	AII	UNS			17.2.2.		
) =	; P <sub>d</sub> = % (P <sub>c</sub> - 14.4) + 14.					4.4 =			(P <sub>a</sub> ) <sup>2</sup> = 0.207 (P <sub>d</sub> ) <sup>2</sup> =					
	; (P <sub>W</sub> ) <sup>2</sup> =	Choose form	ula 1 or 2:			ı		1		<del>.</del> Т		· · · · · · ·		
(P <sub>c</sub> ) <sup>2</sup> (P) <sup>2</sup>	2	1. P <sub>C</sub> -	1 p2 p 2 LOG of <b>F</b>			Backpressure Curve Slope = "n"		ก×	n x LOG			Open Flow Deliverability Equals R x Antilog Mcfd		
(P) <sup>2</sup> (P) <sup>2</sup>	(Pc) - (P) <sub>w</sub> <sup>2</sup>	2. P <sup>2</sup> <sub>C</sub> divided by: P	P <sup>2</sup> <sub>c</sub> P <sup>2</sup> <sub>d</sub> 1, or 2 and divide P <sup>2</sup>		, 2	or Assigned				Antilog				
c d	-	aivided by: P	c-Pw	by: L <sup>P</sup> c	2 Pw ]		lard Slope	+-	-	<u>'</u>	<del> </del>			
Open Flow	<u> </u>	Mcfd @	14.65 psi	<del></del>			Deliv	verat	oility			Mcfd @	0 14.65 psia	
The un	dersigned authority,	on behalf of t	he Compar	ny, states tha	t he is	duly aut	horized to	make	e the above re	port a	nd that he	has knowled	dge of the facts	
ated therein, an	d that said report is t	true and corre	ect. Execu	ted this the	_2	20TH			day of OC	TOBE	R	_	, <sub>20</sub> 10	
	•											R	ECEIVE	
	Witness (if any)							-			For Con		CT 2 4 21	
	or Commission							-			Checked	d by		
												KC(	WICH	

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 <u>E0G RESOURCES</u> , 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 <u>GARDINER 23 #3H</u> 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.  X 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 Commission staff as necessary to corroborate this claim for exemption from testing.
Date: 10-20-20((
Signature: DIANA THOMPSON  Title SR. OPERATIONS ASSISTANT

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 for annual test results.