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

Type Tes					(	See Instruc	tions on Rev	erse Side	)				
	en Fio liverab				Test Date	° 12/11	/2013			No. 15 5-20862 <b>– 0</b>	000		
Company		ratio	on, Inc.				Lease GARDIN	ER			#1	Well Number	
County CLARK			Locatio SW	n	Section 36		TWP 33S		RNG (E/W) 23W			Acres Attributed	
Field KREIGE	R CR	EEK	<		Reservoir CHEST				Gas Gas CLARO	hering Conn	action		
Completi 1/13/198		te			Plug Bac	k Total Dep	th		Packer \$	Set at			
Casing S 4.5	ize		Weight 10.5		Internal Diameter 1.995		Set at		Perforations 5443		то 5446		
Tubing S 2.375	Tubing Size 2.375		Weight 4.7		Internal Diameter 1.995		Set at 5452		Perforations		То		
Type Cor SINGLE		n (D	escribe)		Type Flui	d Production	n			nit or Traveling	Plunger? Yes	/ No	
Producing TUBING	•	(Ani	nulus / Tubing)		% C	arbon Dioxí	ide	,	% Nitrog	en	Gas Gr	avity - G <sub>e</sub>	
Vertical E	Pepth(H	H)				Pres FLAI	sure Taps NGE				(Meter F 2"	Run) (Prover) Size	
Pressure	Buildu	p:	Shut in <u>12</u> /	'10 <sub>2</sub>	<sub>0</sub> 13 <sub>at</sub> 10	0:00	(AM) (PM)	Taken	12/1	1 20	13 at 10:0	O (AM) (BM)	
Well on L	.ine:		Started <u>12</u> /	<u>′11                                   </u>	o <u>1</u> 3 <sub>at</sub> <u>10</u>	0:00	(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	···			Duration of Shut-	in 24 Hour	
Static / Dynamic Property	Dynamic Size		Circle one:  Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Heat Temperature t		Wellhead Pressure		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>e</sub> ) psig psia		Ouration (Hours)	Liquid Produced (Barrels)	
Shut-In							110		, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,			
Flow						EI OW STE	REAM ATTRII						
Plate			Circle one:	Press	Grav		Flowing	T	iation	Metered Flov	v GOR	Flowing	
Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Meter or over Pressure psia	Extension P <sub>m</sub> x h	Factor		Temperature Factor F <sub>11</sub>		Clor	R (Mcfd)	(Cubic Fe Barrel)	et/ Fluid Gravity G <sub>m</sub>	
(D.)2 -			/D \2		•	, ,	ERABILITY)					<sup>2</sup> = 0.207	
$\frac{(P_c)^2 = \underline{\qquad}}{(P_c)^2 - (10^{-3})^2 - $	į	(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>2</sub> - P <sub>2</sub> 2. P <sub>2</sub> - P <sub>3</sub> vided by: P <sub>2</sub> - P <sub>3</sub>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Backpres Slope 	sure Curve = = "n" or igned rd Slope		LOG	(P <sub>d</sub> ) Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		• • •						,					
Open Flo				Mcfd @ 14.			Deliverabii	-			Mcfd @ 14.65 psi		
		•	d authority, on in, and that said				•		o make the	ne above repo Decembe	rt and that he ha	is knowledge of	
							CHITA		, –	O EXPLO	RATION, IN		
			Witness (if a	iny)		AN 02	_				Company		
			For Commis	sion		<u> </u>	4017			Che	cked by		

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator MIDCO EXPLORATION, INC.
and that correct to of equipn	the foregoing pressure information and statements contained on this application form are true and of 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.  Beby request a one-year exemption from open flow testing for the GARDINER #1
gas well	on the grounds that said well:
	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 ther agree to supply to the best of my ability any and all supporting documents deemed by Commission secessary to corroborate this claim for exemption from testing.
Date:	12/27/2013
	Signature: Due Doug Signature: Earl J. Joyce, Jr., Vice-President

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/bulldup 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.

 $W_{ij} = \mathcal{M}_{ij}$