KCC WICHITA

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

_ :	t: en Flo liverat				Test Date		ructions o	n Rev	rerse Side	API	No. 15 009-06,64	3-00	)n1			
Company			· · · · · · · · · · · · · · · · · · ·		<del></del>		Lea		1700000	13-	003-00,04	3-00		Well Nu	mber	
Grady Bolding Corporation  County Location					Castian	Witte Section TWP				DNO /EAN			3	Acres Attributed		
County Location Barton SW NE SW				21				198		RNG (E/W) 14W		160		Allinbuted		
Field Heizer SW				Winfiel	Reservoir Winfield-Herrington-Krider				Gas Gathering Connection Mid-Kansas Gas Gatherir							
Completion Date 10/12/98				Plug Bac 2260'	Plug Back Total Depth 2260'				Packer Set at none							
Casing Size Wei 4 1/2" 10.5					Internal Diameter 4.052"			Set at 2400'			ations 2-40'		то 1745-49'			
	Tubing Size Weight			nt	Internal Diameter			Set at 2250'			ations	То				
	2 3/8" 4.7# Type Completion (Describe)					1.995" 225			<i>)</i> '	OE Pump Unit or Traveling F			Plunger? Yes / No			
single-g		(D	oscilbo)		SW	u , ,,,,,,,				No	n or navenne	, , ,	igor: ica	, 110		
Producing Thru (Annulus / Tubing)						% Carbon Dioxide				% Nitrogen			Gas Gravity - G			
tubing	~				0	0				26.6			.7089			
Vertical Depth(H) 1741						Pressure Taps flange					(Me				eter Run) (Prover) Size	
				13 at 9				Taken 02	2/04	20	13		(	(PM)		
Well on L	ine:		Started 02/	20 13 at 9				(M) (PM) Taken 02/05			13	at 9:00		(PM)		
						OBSER	VED SUF	RFACE	DATA			Dura	ation of Shut-	in	Hours	
Static / Dynamic Property			Circle one: Meter Prover Press. psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well He Temperature Temperat		ture $(P_w)$ or $(P_t)$ or $(P_c)$		Pressure	Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	,								239	220 234		24		1		
Flow	Flow .625						115	15 129		65 79		2				
				,		FLOW S	TREAM /	ATTRI	BUTES						,	
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter ar Prover Pressure psia		Press Extension	Extension Fact		or Temperatu		Deviation Factor		Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>e</sub> )² =		_;	(P <sub>w</sub> )² =		(OPEN FLO	OW) (DEI	.IVERABI %		CALCUL. - 14.4) +		:		(P <sub>a</sub> ):	<sup>2</sup> = 0.2 <sup>2</sup> =	07	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		(P <sub>c</sub> ) <sup>2</sup> · (P <sub>m</sub> ) <sup>2</sup>		1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$	1. Pc P LOG of formula		Be	Backpressure Curve Slope = "n" or Assigned		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
				divided by: P. 2 - P.	, by:	P.2-P.2		Standa	rd Slope		:				(moru)	
Open Flo	N			Mcfd @ 14	65 nsia		Deli	verabil	lity			Mefd	@ 14.65 psi			
The u	ınders	-	•	n behalf of the	Company, s		t he is du	uly aut	thorized to	make the			· · · · · · · · · · · · · · · · · · ·		ledge of 20 <u>ろ</u> .	
<del></del>			Witness (	if any)				_	Ke	uzu.	M LANG For C	M compar	<u>a</u>		<b>₹ECEIV</b>	
			For Comm	nission			-	_			Che	cked by	,			
			, 0, 00,111								O.I.B.		•	M	AR 0.1	

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 Grady Bolding Corporation
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
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
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: 2/24/13
Signature: <u>Kengi M Yuua</u> Title: <u>Offi'u manager</u>

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.

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KCC WICHITA