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

Type Test	:					(3	See Instruc	tions on Re	verse Side	)					
<b>✓</b> Op	en Flo	w				Test Date				APIN	lo. 15				
De	liverab	ilty				3/18/20					85-23791	-000	00		
Company Gra Ex,								Lease Bookst	ore				#2RD	Vell Num	ber
County Stafford			Loca 1460'FI		380'FWL	Section 1		TWP 24S		RNG (E/W 14W	/)		A	cres At	tributed
Field Rattlesr	nake	Nort	h			Reservoir Lansing				Gas Gathe Lumen	ering Conne	ection	1		
Completic 4/12/13		е				Plug Back 4251	K Total Dep	th		Packer Se	t at .			•	
Casing Size 5 1/2"			Weight 15.5#			Internal Diameter		Set at 4250		Perforations 3766			то 3847		
Tubing Si	ize		Weig			Internal D	Diameter	Set a		Perfora	itions		То		
Type Con Single,							d Productio water 8	n		Pump Unit	or Traveling	Plur	iger? Yes Yes		
			nulus / Tubir	ng)			arbon Diox			% Nitroge			Gas Gra		)
Vertical D	Depth(F	H) ·					Pres	ssure Taps					(Meter F	Run) (Pro	over) Size
Pressure	Buildu	p: :	Shut in 3/	18	20	14 at 5:	00 PM	(AM) (PM)	Taken_3/2	20	20	14	at 8:00 AM	M(A	.M) (PM)
Well on L	.ine:		Started 3/2	20				(AM) (PM)		22	20	14	at 8:00 AN	M(A	M) (PM)
							OBSERVE	D SURFAC	E DATA				ation of Shut-i		Hours
Static / Dynamic Property	Orifi Siz (inch	:е	Circle one Meter Prover Pres	sure	Pressure Differential in	Flowing Temperature t	Well Head Temperature t	Wellhead (P <sub>w</sub> ) or (F	Casing Tubing and Pressure Wellhead Pressure Duration $(P_t)$ or $(P_c)$ $(P_w)$ or $(P_t)$ or $(P_c)$ (Hours)			Liquid Produced (Barrels)			
Shut-In	,		psig (Pm	,	inches H <sub>2</sub> 0			165	psia	200	psia				· -
Flow								100		200				ļ	
<b>/</b>				<del></del>			FLOW STE	REAM ATTR	IBUTES						
Plate Coeffiec (F <sub>b</sub> ) (F Mofd	offiecient Meter or Prover Pressure		ì	Press Extension ✓ P <sub>m</sub> xh	Grav Faci F <sub>s</sub>	tor	Tomporniuro		Deviation Factor F <sub>pv</sub>		v	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>c</sub> ) <sup>2</sup> =	l		(P <sub>w</sub> ) <sup>2</sup>			•		/ERABILITY	•				(P <sub>a</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>2</sup>	= 0.20	 7
(P <sub>c</sub> ) <sup>2</sup> - (I	P <sub>a</sub> ) <sup>2</sup>		(' w') ('c)2 - ( Pw)2	Choo:	. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> . P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> d by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide		Backpre Slo	P <sub>c</sub> - 14.4) + essure Curve pe = "n" - or ssigned dard Slope	n x I s	og [		Antilog	Ope Deliv Equals	en Flow Perability R x Antilog Mcfd)
			<del></del>		=	<u></u>		<del> </del>	<del></del>						
Open Flo	w		· · · · · · · · · · · · · · · · · · ·		Mcfd @ 14.6	55 psia		Deliverat	oility			Mefd	.@ 14.65 psi	<u>.</u> a	
•				on be	1 + 4 - 64	Company, s	44 C. W	he is duly a	uthorized to	o make the	above repo		d that he ha		edge of
							. '	• • •	Usu	c Ki	ı nbix	P			<u> </u>
	<del></del>		Witness	(if any)				-			For	Compai	" KC	CC V	VICHI
			For Con	mission	1			-			Chec	cked by	,		5 2014

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 Gra Ex, LLC
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 #2RD Bookstore
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
is not capable of producing at a daily rate in excess of 250 mcf/D
to hor supusion of producing at a saily rate in choose of 200 mb/2
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: _5/2/2014
Signature: USLIE Muhbril
Title: Office Manager
as Sales began 12-31-2013

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.

\*\*KCC WICHITA\*\*

MAY 0.5 2014

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