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

Type Test	:				6	See Instructi	ions on Reve	rse Side,	)					
□ Ор	en Flo	w												
De:	liverab	ilty			Test Date	:				No. 15 185-23495	-0000			
Company GRA EX							Lease CHAPP	ELL	,,,	100 20 100		Well Nu		
			Section 2				RNG (E/W) 14W			Acres Attributed				
Field					Reservoir MISSISSIPPIAN			Gas Gat	ection					
Completion Date				Plug Back 4439	Plug Back Total Depth 4439			Packer S	Set at			***************************************		
Casing Size Weight 5 1/2" 15.5#				Internal D	Diameter	Set at 4367		Perforations 4023		то 4027				
Tubing Size Weight 2 3/8"			Internal C	Diameter		Set at Perforation 3963.34		rations	То					
Type Con	npletio	n (De	escribe)		Type Flui	d Production	)		Pump Ur	nit or Traveling	Plunger? Yes	/ No		
Single(g	gas)/p	perf.	acid,frac		150 bb	l saltwate	r 2bbl oil p	lbbl oil p/ma pump		unit	yes			
Producing	Thru	(Anr	nulus / Tubing	)	% C	% Carbon Dioxide			% Nitrog	en	Gas G	Gas Gravity - G <sub>g</sub>		
tubing					na				na		na			
Vertical D	epth(F	1)					sure Taps					Run) (P	rover) Size	
na Pressure	Buildu	n: :	Shut in Mar	ch 22 <sub>2</sub>	0_10_at_10	na 0:00 AM	(AM) (PM)	aken Ma	arch 23	20	na 10 <sub>at</sub> 11:00	AM	(AM) (PM)	
Well on L		•					,				at			
				_		OBSERVE	D SURFACE	DATA			Duration of Shu	t-in	Hours	
Static / Orifice Dynamic Size Property (inches		е	Circle one: Meter Prover Pressui		Flowing Well Head Temperature t		Casing Wellhead Pressure $(P_u)$ or $(P_l)$ or $(P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrets)	
Shut-In	,		psig (Pm)	Inches H <sub>2</sub> 0	<u> </u>	`	psig 40	psia	psig 110	psia		-		
Flow							10		110					
						FLOW STR	EAM ATTRIE	BUTES						
Plate Cooffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension Pmxh	Extension Fact		Flowing emperature Factor F <sub>it</sub>	Deviation Factor F		Metered Flov R (Mcfd)	w GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G	
					•		ERABILITY)					) <sup>2</sup> = 0.2	207	
(P <sub>e</sub> ) <sup>2</sup> =		<u> </u>		hoose formula 1 or 2	P <sub>d</sub> =		% (Р <sub>е</sub>	- 14.4) +	14.4 =	<del></del> :	(P <sub>e</sub>	) <sup>2</sup> =	<del></del>	
(P <sub>e</sub> ) <sup>2</sup> - (I or (P <sub>e</sub> ) <sup>2</sup> - (I	•	(F	)²- (P <sub>w</sub> )²	1, P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2, P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> (ivided by: P <sub>c</sub> <sup>2</sup> - P <sub>d</sub>	LOG of formula 1, or 2, and divide	P. 5 - P. 2	Slope 	sure Curve = "n" or gned rd Slope	n x	rog	Antilog	De	pen Flow Ilverability s R x Antilog . (Mcfd)	
				·										
Open Flo	w		<u></u>	Mcfd @ 14.	66 neie		Deliverabil	itv			Mcfd <b>©</b> 14.65 p	cia		
Open 710	**			111010 19 19.	on haid		DONADISON	,			<del>шою <b>ф</b> 14.03 р</del>			
		•	•	behalf of the id report is true					o make the day of _N		ort and that he h		vledge of	
			, unu mui ou	a repert to the			or year	2¢(£)	EWE	D G	a Fx 1	 L		
			Witness (if	any)				MAR	142		Company WWW WWW	bûl	1	
			For Commi	ssion							cked by	-1		

KCC WICHITA

	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request us 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	e best of my knowledge and belief based upon available production summaries and lease records
• •	t installation and/or upon type of completion or upon use being made of the gas well herein named.  request a one-year exemption from open flow testing for the CHAPPELL #1
	the grounds that said well:
l further	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 agree to supply to the best of my ability any and all supporting documents deemed by Commission essary to corroborate this claim for exemption from testing.
	Signature: Mui Wehbul
	Title: OFFICE MANAGER

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.

MAR 1 4 2011

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