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

Type Tes			•		(	See Instruc	tions on Re	everse Side	)				
= '	oen Flo eliverab		1		Test Date 7-21-11	:				No. 15 2 <b>5-20,109</b>	-0000		
Compan C. H. To		C.					Lease Shupe		·		1-21	Well N	umber
County Clark			Locat NE-NE		Section 21		TWP 34\$		RNG (E/V 21W	V)		Acres 160	Attributed
Field Snake C	Creek				Reservoir Morrow				Gas Gath	ering Conn	ection		
Completi 2-15-19		0			Plug Bac 5470	C Total Dep	th <sub>.</sub> ,		Packer Se None	et at			. ,
Casing S 5.5"	ize		Weigh	nt .	Internal E	iameter	Set 554		Perfora		то <b>549</b> 0	· · · · · ·	·····
Tubing S 2.375"	ize		Weigh	ıt .	Internal D	iameter	Set <b>54</b> 9		Perfora		То		·
Type Cor Casing	npletio	n (De			Type Flui	d Production	n .		Pump Uni Pumpir	t or Traveling	Plunger? Yes	/ No	
	g Thru	(Anı	nulus / Tubin	g)		arbon Dioxi			% Nitroge		Gas G	Gravity -	G <sub>g</sub>
Annulu				***************************************	.305				2.406		.844		
Vertical D 5482	)epth(F	1)				Pres <b>Flan</b>	sure Taps ge	•		• -	(Meter	Run) (F	Prover) Size
Pressure	Buildu	p:	7-1	8 2	0 11 at 9:	00	(AM) (PM)	Taken 7-	21	20	11 <sub>at</sub> 9:00		(AM) (PM)
Well on L		•	Started 7-2		0 11 at 9:		(AM) (PM)			• * * * * * * * * * * * * * * * * * * *	11 at 9:00		(AM) (PM)
	<del>",                                    </del>					OBSERVE	D SURFAC	E DATA	·		Duration of Shu	t-in	Hours
Static / Dynamic Property	Orifi Siz (inch	e	Circle one: Meter Prover Pressi		Flowing Temperature t	Well Head Temperature t	Wellhead	sing I Pressure P <sub>t</sub> ) or (P <sub>c</sub> )	Wellhea	bing d Pressure P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liqu	id Produced (Barrels)
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0		f.,	psig 162	psia 176	psig	psia	72	-	
Flow	.75		11	4.00	60	60	22	36			24	2.0	
						FLOW STF	EAM ATT	RIBUTES		4	Short and the same of the same		
Plate Coeffied (F <sub>b</sub> ) (F	ient	Prò	Circle one: Meter or ver Pressure psia	Press Extension P <sub>m</sub> xh	Grav Fact F <sub>g</sub>	or .	Flowing Temperature Factor F <sub>ft</sub>	Fa	ation ctor	Metered Flow R (Mcfd)	y GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G <sub>m</sub>
2.779*		25	.4	10.8	1.885	1.	00	1.003	4	30			.844
$(P_c)^2 = _3$	1.1	_:	(P <sub>w</sub> ) <sup>2</sup> =	1.3		2.8		/) CALCUL P <sub>a</sub> - 14.4) +		:	(P <sub>.</sub>	$(x^2)^2 = 0.2$ $(x^2)^2 = 0.2$	207 <u>.</u> 3
(P <sub>c</sub> ) <sup>2</sup> - ( or (P <sub>c</sub> ) <sup>2</sup> - (	P <sub>a</sub> )2	(F	(c)2- (Pw)2	Choose formula 1 or 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	LOG of formula 1, or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Slo As	essure Curve ppe = "n" - or ssigned dard Slope	n x L0	og [	Antilog	O De	pen Flow liverability s R x Antilog (Mc1d)
												-:	-
31.09		29	.79	1.044	.0186		.85		.015	8	1.037	31	
Open Flo	W			Mcfd @ 14.	65 psia		Deliveral	bility	31		Mcfd @ 14.65 p	sia	<del> </del>
				n behalf of the	•				make the		rt and that he h		vledge of 20 11 .
								£	ent.	Splat			CEIVE
<del></del>			Witness (i								Company	_AU	G 0 1 20

i decia	re under penalty of	perjury under the la	aws of the state of	Kansas that I	am authorize	ed to request
	tus under Rule K.A.F	A CONTRACTOR OF THE PROPERTY O				
and that th	e foregoing pressure	e information and s	tatements contain	ed on this app	olication form	are true and
	ne best of my knowle	•		* **		
	nt installation and/or					
	y request a one-yeai					
	the grounds that sa					
			*			
	(Check one)		•			*   }
	is a coalbed	methane producer				1.00 mg/s
	is cycled on	plunger lift due to v	vater			•
	is a source of	of natural gas for inj	ection into an oil re	servoir under	going ER	•
	is on vacuun	n at the present time	e; KCC approval Do	ocket No.		
		le of producing at a			,	
	▼   Io Hot bapab	io or producing at a	uany rate in exces	ss of 250 mcf/l	,	
	V To not oupub	io or producing at a	ually rate in exces	ss of 250 mct/(	<b>ر</b>	
I furthe						by Commissio
	r agree to supply to	the best of my abilit	ty any and all supp	orting docume		by Commissio
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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.

RECEIVED

AUG 0.1 2011