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

Type Tes	t:				(	'See Instruc	ctions on Re	verse Side	<b>;</b> )				
O <sub>f</sub>	oen Flo	) wc							<u>ن</u> ـــ				
✓ De	elivera	bilty		·····	Test Date 7-20-11					I No. 15 -025-20,395	-000C	)	
Company C. H. To		1C.					Lease Shupe	Harper 1	-15A		1-2-12-	Well Nu	mber - 15 A
County Clark			Loca NW -		Section 15	•	TWP 34S		RNG (E	E/W)			Attributed
Field Snake C					Reservoi	† .	· · · · · · · · · · · · · · · · · · ·		Gas Ga	thering Conr	nection		
Completi		te	. •	· · · · · · · · · · · · · · · · · · ·	Plug Bac	k Total Dep	th .		Packer None	Set at			
Casing S			Weig 15.5	ht ·	Internal D	Diameter	Set 8			orations	To 5462		
Tubing S 2.375"	ize		Weig 4.7	ht	Internal I 1.95	Diameter	Set a 5470	at		orations	To		
Type Cor Casing	npletic	n (D				d Productio				nit or Travelin	g Plunger? Yes	/ No	
	a Thru	(Àn	nulus / Tubir	na)		arbon Diox	ide		% Nitro	oing Unit	Gas G	ravity - (	2
Annulu	-			-9/	.305	arbon blox			2.406	-	.600	avity - C	<sup>2</sup> 9.
Vertical D	Depth(I	⊣)			-	Pres	sure Taps					Run) (P	rover) Size
5456						Flan					2"		
Pressure	Builde		Shut in				(AM) (PM)	Taken_7-	20	20	11 at 9:00	(	AM) (PM)
Well on L	.ine:		Started 7-2	20 2	0 11 at 9	:00	(AM) (PM)	Taken 7-	21	20	11 at 9:00	(	AM) (PM)
						OBSERVE	D SURFACI	E DATA			Duration of Shut	•in	Hours
Static /	Orif		Circle one: Meter	Pressure Differential	Flowing	Well Head	Cas Wellhead	•		Tubing ead Pressure	Duration		d Produced
Dynamic Property	Siz (inct		Prover Press psig (Pm)	<i>ure</i> in	Temperature t	Temperature t	(P <sub>w</sub> ) or (P	(,) or (P <sub>c</sub> )	(P <sub>w</sub> )	or (P <sub>t</sub> ) or (P <sub>c</sub> )	(Hours)		Barrels)
Shut-In		·	poig (i iii)	11163 1120			psig 158	psia 172	psig	psia	72		
Flow	.75		12	8.00	60	60	22	36			24		
						FLOW STR	REAM ATTR	IBUTES					
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fact F <sub>g</sub>	or	Flowing Temperature Factor F <sub>ft</sub>	Fa	iation ctor	Metered Flo R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
2.779		26	.4	14.53	1.291	0 1.	00	1.001	6	52			.600
	^ <b>~</b>			4 ~			ERABILITY)	) CALCUL	ATIONS		(P_)	$r^2 = 0.26$	07
$(P_c)^2 = 2$	9.7	:	(P <sub>w</sub> ) <sup>2</sup> :	<u>1.3</u> :		2.9	% (P	° - 14.4) +	14.4 = _	<u> </u>	(P <sub>d</sub> )	$0.2^{\circ} = 0.20$ $0.2^{\circ} = 0.3$	
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I	-	(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formuta 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Slop	ssure Curve oe = "n" orsigned ard Slope		roe	Antilog	Deli Equals	en Flow verability R x Antilog Mcfd)
29.70		28	.40	1.046	.0195		.85		.01	65	1.039	54	
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	ility (	54		Mcfd @ 14.65 ps	ia	· · · · · · · · · · · · · · · · · · ·
							ne is duly au	thorized to	<u> </u>	he above repo	ort and that he ha	as knowl	4.4
me racts s	iated t	nerei	n, and that s	aid report is true	and correct	. Executed	this the	, ui.	ay of	Som.	RI	ECEI	VED.
			Witness	(if any)			· .	-XI	un s	For	Company AL	IG 0 1	2011
<del></del>			For Com	nission	· · · · ·		· <u> </u>	· · · · · ·		Che	cked by KC(	C WIG	CHITA

l dec	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request $$
	tatus under Rule K.A.R. 82-3-304 on behalf of the operator C. H. Todd, Inc.
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
	nent installation and/or upon type of completion or upon use being made of the gas well herein named.  eby request a one-year exemption from open flow testing for the Shupe Harper 1-15A
	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
	her agree to supply to the best of my ability any and all supporting documents deemed by Commission ecessary to corroborate this claim for exemption from testing.
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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.

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