KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t: en Flo	ow.					(See Ins	tructi	ions on Re	verse	Side)							
De	liveral	oilty			•		est Date 3-26-12							l No. 15 ·007-22606-	00-0	01			
Company		E O	PERATING	3, II	NC.		7-20-12			Lease WOOLS	SEY						Well Nu	mber	
County BARBER			Loca	tion		_	Section B			TWP 35S			RNG (E	/W)			Acres A	attributed	
Field AETNA	GAS	ARE	:A				Reservoir MISSI		1				Gas Ga ATLAS	thering Conn	ecti	on			
Completion 1-21-04	on Da	te					lug Baci 5190	k Total	Depti	h			Packer : NONE						
Casing S 4.5	ize		Weig 11.6				nternal E 1.000	Diamete	r	Set at 5224			Perforations 5090			To 5180			
Tubing S 2.375	ize		Weig 4.7	ht			nternal C	Diamete	ſ	Set at 5083			Perforations			To			
Type Cor SINGLE			escribe)				ype Fluid WATE		ction	J				nit or Traveling	Plu	unger? Yes	/ No		
Producing	-	(An	nulus / Tubi	ng)			% C	arbon [Dioxio	de		Ģ	% Nitrog	jen		Gas Gr .623	ravity - (3 ₉	
Vertical D		H)								sure Taps NGE	,					(Meter 3.068		rover) Size	
Pressure	Buildu	ıp:	Shut in 6-	22-	12 2					(AM) (PM)	Take	_n _6-2	5-12	20			(AM) (PM)	
Well on L	.ine:		Started 6-	25-	12 . 20		at	345		(AM) (PM)				20		_ at	(AM) (PM)	
								OBSE	RVE	D SURFAC	E DA	ΓA			Du	ration of Shut-	in <u>72</u> .	0 Hours	
Static / Dynamic Property		fice Circle one: Meter Prover Press psig (Pm)		sure	Pressure Differential in Inches H ₂ 0		Flowing Well I Temperature Tempe			Wellhead (P _w) or (P	Casing ad Pressure r (P ₁) or (P _c)		Wellhe	Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			paig (i iii		inches 11 ₂ 0					psig 127.7	142		psig	psia	7	2.0	1		
Flow	.37	5 35.8			16.8		90 75			36.5		9			2	4.0	4.0		
· · · · · · · · · · · · · · · · · · ·							·····	FLOW	STR	EAM ATTR	IBUT	ES		·					
Coeffied (F _b) (F	Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension		Grav Fact	1 17		Flowing properature Factor F _{pv}		or	1		w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m		
.6847		- 50	.20	. 2	29.04	-	1.266	9 ^	0.9	723	1	.0037		24.6		NONE		0.623	
$(P_a)^2 = 2$	0.2	:	(P _w)²	_ 2	2.6	(0		ow) (DE 35.8		ERABILITY				142.1 _:			1 ² = 0.2 1 ² =	07	
(P _c) ² · (I	P _e)2	(F	P _c) ² - (P _w) ²	Cho	oose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ided by: $P_c^2 - P_w^2$		LOG of formula 1. or 2. and divide by:	P _c ² · P ₁		Backpre Sloj As		Curve "		rog		Antilog	Or Del Equals	pen Flow erability R x Antilog (Mcfd)	
19.99		17	.60	1.	.135	+	0.0552	<u></u>	<u> </u>	0.850	<u></u>		0.0	469	1.	1140	27.3	9	
Open Flo	w 27	····	'	·	Mcfd @ 14.	35 p	osia			Deliverab	oility				Mcf	d @ 14.65 ps	ia		
he facts s	tated (therei	in, and that	said	report is true	an	d correct				6	da	ay of <u>J</u>				£	20 12 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
<u> </u>	נו מבו מכוכ	40 40	Witness KCC	(if ar	Jichi ta	1	/ 5		_	_		, rec	N.	and so	Comp	any Brown		E 0 9 2012	
	13		For Com	nmissi	ion /	•	·			_				CKe	cked	by	KCC	WICHITA	

	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator
correct to the best of equipment install	ng pressure information and statements contained on this application form are true and f my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. It a one-year exemption from open flow testing for the
gas well on the gro	nds that said well:
	ne) s a coalbed methane producer s cycled on plunger lift due to water s a source of natural gas for injection into an oil reservoir undergoing ER s on vacuum at the present time; KCC approval Docket No s not capable of producing at a daily rate in excess of 250 mcf/D
	o corroborate this claim for exemption from testing.
staff as necessary	

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.