KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			6	See Instructi	ions on Rev	erse Side)					
	en Flow			Test Date	. 91	27/2	012	API 155	No. 15 5-21304~	2·80			
Company Hesse P		ım Company, l	LC	<u> </u>	-/	Lease Roach					Well Numb	er	
County Location Reno SW/4		on	Section 27		TWP 24S		RNG (E/W) 9W		Acres Attributed 160				
Field Plevna			Reservoir Mississippi					as Gathering Connection /est Wichita Gas Gatherin					
Complete 1994	on Date			Plug Bac 3737	k Total Dept	h		Packer	Set at				
Casing Size 4 1/2"		Weigh 10.5#		Internal E	Internal Diameter		Set at 3985'		orations 6'	то 3805'			
Tubing Size Weight 2 3/8"		t	Internal Diameter		Set at 3837'		Perforations		То				
Type Con Gas	npletion	(Describe)		Type Flui Saltw	d Production ater)			nit or Traveling ing Unit	Plunger? Yes	/ No	-	
Producing	•	(Annulus / Tubin	g)	% C	arbon Dioxid	de		% Nitro	jen	Gas Gr	avity - G		
Vertical D		}			Pres	sure Taps				(Meter f	lun) (Prov	er) Size	
Pressure		/	,			$\mathbf{\circ}$		9/2		12at 1/10	~		
Well on L	ine:	Started	20) at		(AM) (PM)	Taken		20	at	(AN	/I) (PM)	
	ı		T .		OBSERVE	D SURFACE		T		Duration of Shut-	in	Hours	
Static / Oynamic Property	Orific Size (inche	Prover Pressi	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead I (P,) or (P	Pressure) or (P _a)	Wellha (P _w) a	Tubing ead Pressure or (P ₁) or (P ₂)	Ouration (Hours)		roduced reis)	
Shut-in		P-3 (1.17)			650	psig //O	psis / 124.4	psig	pela	24			
Flow													
	Т		1	1	FLOW STR	EAM ATTRI	BUTES	·····	Γ				
Plate Coeffied (F _b) (F Moto	cient ;,)	Circle one: Meter or Prover Pressure psia	rover Pressure		Gravity Factor F ₆		Flowing properties pro		Metered Flor Pl (Mctd)	N GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
			<u> </u>	<u></u>									
(P ₆) ² =		: (P _w) ² =	·	(OPEN FL		ERAB!LITY) % (P	CALCUL - 14.4) +		<i>:</i>	(ቦ _a)፡ (ቦ _a)፡	2 = 0.207 2 =		
$(P_c)^2 - (P_a)^2$ or $(P_a)^2 - (P_d)^2$		(P _c) ² - (P _w) ²	(P _c) ² - (P _a) ² (P _c) ² - (P _a) ² (P _c) ² - P _c ²		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" 		roe [Antilog	Open Delive Equals R	Open Flow Deliverability quals R x Antilog (Mcfd)	
Open Flo	w		Mcfd @ 14.	65 psia		Deliverab	lity			Mcfd @ 14.65 psi	8		
		gned authority, o erein, and that s		and correc	t. Executed RECE	this the	20	o make t	the above repo	ort and that he ha	,	ige of	
		Witness	If any)		NOV 2	1 2012			/ 	Company			
		For Com:	niesion			-			Che	icked by			

CONSERVATION DIVISION WICHITA, KS

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 The Interview of the Interview of the status 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
f 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
as well on the grounds that said well:
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
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
taff as necessary to corroborate this claim for exemption from testing.
eate: 11/20/2012
Signature: Title: HARDEL

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 **18** 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.