KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

ويسسم	t:			(See	instructions on Re	5 4 6 13 6 6 10 6 7	,					
	en Flow			Test Date:	10 11 1	بدر 4	API	No. 15				
De	eliverabilty				12-11-2	013		-21487 — Q (000			
Company Hesse F	y Petroleum	Company,	LLC	•	Lease Dale				1-27	Well Nu	mber	
County Location Reno NW/4			Section 27	TWP 24S			(E/W)		Acres Attributed 40			
Field Plevna			Reservoir Mississippi		Gas Gathering Connection West Wichita Gas Gathering							
Completion Date 2005				Plug Back Tota	Plug Back Total Depth			Packer Set at 3668.5'				
Casing Size Weight 5 1/2" 14#			Internal Diame				forations To '96' 3800		6'			
Tubing Size Weight 2 3/8"			Internal Diame		Set at Pel 3666'		erforations To					
Type Completion (Describe) Gas				Type Fluid Pro Saltwater	Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes / No Pumping Unit				
Producing	g Thru (An	nulus / Tubin	ng)	% Carbor	n Dioxide		% Nitrogen Gas Gravity - G _a					
Annulus Vertical C					Pressure Taps						rover) Size	
Pressure Well on L		Shut in	1	0/9 at ///3	(AM) (PM) (PM)		•		at	_	AM) (PM) AM) (PM)	
				ОВ	SERVED SURFAC	E DATA			Duration of Shut-	in	Hour	
Static / Dynamic Property	Size Meter Differentia			Temperature Temp	Head Wellhead	(P _w) or (P _t) or (P _a)		bing d Pressure (P _r) or (P _s) psis	Duration (Hours)		Liquid Produced (Barrele)	
Shut-In				2:		594,4	psig	pola	24			
Flow												
			,	FLO ¹	W STREAM ATTR	IIBUTE\$						
			l .		Flowing	Davides	tion	Metered Flow	GOR	- 1	Flowing	
Plate Coeffiect (F _b) (F Mcfd	ient ") <i>Pr</i> o	Circle one: Meter or over Pressure psia	Press Extension	Gravity Factor F _a	Temperature Factor F ₁₁	Deviati Facti F _p ,	or	R (McId)	(Cubic Fe Barrel)	et/	Fluid Gravity G _m	
Coeffici	ient ") <i>Pr</i> o	Mater or over Pressure	Extension	Factor	Temperature Factor	Fact	or	R	(Cubic Fe	et√	Gravity	
Coefflect (F _b) (F Mcfd	ient ") <i>Pr</i> o	Meter or over Pressure psia	Extension P _m xh	Factor F _a (OPEN FLOW) (I	Temperature Factor F _{rt}	Fact F _p ,	TIONS	R	(Cubic Fe Barrel)	²= 0.20	Gravity G _m	
Coeffici (F _b) (F	: Pro	Meter or over Pressure paia $(P_w)^2 = \frac{1}{2} (P_w)^2$	Extension P _m xh	(OPEN FLOW) (I	Temperature Factor F,, DELIVERABILITY % (F Backpre Sio	Fact F _p ,	TIONS	(Mcfd)	(Cubic Fe Barrel)	Ope Ope Deliv Equals	Gravity G _m	
Coefficion $(F_b) (F_b) (F_c)^2 = $ $(P_c)^2 - (F_c)^2 (F_c)^2 = $ or	: Pro	Meter or over Pressure paia $(P_w)^2 = \frac{1}{2} (P_w)^2$	Extension P _m x h : :: :: :: :: :: :: :: :: :: :: :: ::	(OPEN FLOW) (I	Temperature Factor F,, DELIVERABILITY % (F Backpre Sio	Fact F _p , CALCULA Construction Curve For The Curve For T	TIONS 4.4 =	(Mcfd)	(Cubic Fe Barrel) (P _a):	Ope Ope Deliv Equals	Gravity G., on Flow verability R x Antilog	
Coeffleci (F_b) (F Mcfd $P_c)^2 = \qquad \qquad$: : : : : : : : : : : : : : : : : : :	Meter or over Pressure paia $(P_w)^2 = \frac{1}{2} (P_w)^2$	Extension P _m x h : Choose formula 1 or 2: 1. P _c ² - P _c ² 2. P _c ² - P _c ² divided by: P _c ² - P _w ²	Factor F _a (OPEN FLOW) (I P _d = LOG or formula 1. or 2. and divide by: P _a =	Temperature Factor F,, DELIVERABILITY % (F Backpre Sion As Stand	Fact F _p , CALCULA C _o - 14.4) + 1 Sesure Curve pe = "n" or signed ard Slope	TIONS 4.4 =	(Mcfd)	(Cubic Fe Barrel) (P _a): Antilog	Open Delin Equals	Gravity G., on Flow verability R x Antilog	
Coefflect $(F_b) (F_b) (F_b) (F_b) (F_b)^2 = \frac{(P_c)^2 - (F_b)^2 - (F_b)^2 - (F_b)^2}{(F_a)^2 - (F_b)^2}$ Open Flow	: -: -: -: -: -: -: -: -: -: -: -: -: -:	Meter or over Pressure paia $(P_{w})^{2} = P_{c}^{2} - (P_{w})^{2}$ If authority, or	Extension Pmxh Choose formula 1 or 2: 1. Pc - Pc 2. Pc - Pc divided by: Pc - Pc Mcfd 14.6	Factor F _a (OPEN FLOW) (I P _d = LOG or formula 1. or 2. and divide by: P _a 2.	Temperature Factor F, DELIVERABILITY	Fact F _p CALCULA C - 14.4) + 1 Sesure Curve pe = 'n' - or - or - signed and Slope	TIONS 4.4 =	(Mcfd)	(Cubic Fe Barrel) (P _a): (P _d): Antilog	Open Delin Equals	Gravity G _m 27 27 27 27 27 27 27 27 27 2	
Coefficion (F_b) (F_b) (F_b) (F_c) (: -: -: -: -: -: -: -: -: -: -: -: -: -:	Meter or over Pressure paia $(P_{w})^{2} = P_{c}^{2} - (P_{w})^{2}$ If authority, or	Extension Pmxh : :: Choose formula 1 or 2: 1. Pc²-Pa² 2. Pc²-Pa² divided by: Pc²-Pa² divided by: Pc²-Pa² divided by: Pc²-Pa² divided by: Pc²-Pa²	(OPEN FLOW) (IP d = 1	Temperature Factor F, DELIVERABILITY	Fact F _p CALCULA C - 14.4) + 1 Sesure Curve pe = 'n' - or - or - signed and Slope	TIONS 4.4 =	above report	(Cubic Fe Barrel) (P _a): (P _d): Antilog	Open Delin Equals	en Flow // Antilog Mcfd) edge of	

exempt status under and that the foregoin correct to the best of of equipment installa	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 Hesse Petroleum Company, LLC and pressure information and statements contained on this application form are true and my knowledge and belief based upon available production summaries and lease records attion and/or upon type of completion or upon use being made of the gas well herein named. In a one-year exemption from open flow testing for the
(Check or is is is is is	
-	o supply to the best of my ability any and all supporting documents deemed by Commission o corroborate this claim for exemption from testing.
Baile.	Signature: Partner

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.