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

Type Tes	t:				(	See Instruc	tions on Rev	erse Side	9)					
Open Flow				Test Date: / / /			ΔPI	i No. 15						
De	eliverat	oilty			1001.54.		/13/20	014		5-21304 <b>-06</b>	100			
Company Hesse F		eum	Company, I	LC.	٠,		Lease Roach				1	Well Nu	mber	
County Location Reno SW/4			Section 27		TWP 24S		RNG (E/W) 9W			Acres Attributed 160				
Field Plevna					Reservoir Mississippi			Gas Gathering Connection West Wichita Gas Gathering						
Completion Date 1994				Plug Bac 3737'	Plug Back Total Depth 3737'				Packer Set at					
Casing Size Weight 4 1/2" 10.5#				Internal I	Diameter	Set at 3985'		Perforations 3786'		To 3805'				
Tubing Size Weight 2 3/8"				Internal I	Internal Diameter Set 383			Perfo	rations	То				
Type Cor Gas	npletio	n (D	escribe)		Type Flui Saltw	d Productio vater	n			nit or Traveling ing Unit	Plunger? Yes	/ No	4	
Producing Thru (Annulus / Tubing)				% C	% Carbon Dioxide				jen	Gas Gr	Gas Gravity - G <sub>g</sub>			
Annulu						ly -	*				,			
Vertical D	Depth(F	1)				Pres	sure Taps				(Meter I	Run) (Pi	rover) Size	
Pressure	Buildu	ıp:	Shut in	1/12 2	20/4 at _	10:30	(PM) (PM)	Taken	11/13	ž 20 d	14 at 10/3	30 C	ÂM) (PM)	
Well on L	.ine:		Started	2	0 at		(AM) (PM) 1	Taken		20	at	(	AM) (PM)	
				-		OBSERVE	D SURFACE				Duration of Shut-	in	Hours	
Static / Orifice Dynamic Size Property (inches		:e	Circle ane: Meter Prover Pressu psig (Pm)	Pressure Differential In Inches H,0	Temperature Temperatur		$(P_w)$ or $(P_t)$ or $(P_a)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>o</sub> )		Duration (Hours)			
Shut-In	Shut-In		poig (i iii)	mones 11 <sub>2</sub> 0	220		psig /	psia 114,4	psig	psia	24			
Flow														
						FLOW STR	REAM ATTRIE	BUTES		*.				
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension	Grav Fac F	tor	Flowing Deviation Factor F <sub>rt</sub> F <sub>rt</sub>		ctor R		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
		····						<u></u>						
(P <sub>o</sub> ) <sup>2</sup> =		f	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FLO		ERABILITY)	CALCUL - 14.4) +		,	(P <sub>a</sub> ) <sup>,</sup> (P <sub>d</sub> ) <sup>,</sup>	² = 0.20	07	
$(P_c)^2 - (P_q)^2$ or $(P_c)^2 - (P_d)^2$		$(P_{\sigma})^2 - (P_{w})^2$		Choose formula 1 or 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	2. P <sup>2</sup> -P <sup>2</sup> 2. P <sup>2</sup> -P <sup>2</sup> 3. LOG of formula 1. or 2.		Backpress Slope 	Backpressure Curve Slope = "n" 		roe [ ]	Antilog	Op Deli Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
									_					
Onen Flor			<u>·                                      </u>	Maid @ 14	es noin		Deliverebill				Anto & A LOT - N	<u> </u>		
Open Flor				Mcfd @ 14.			Deliverabili	<u> </u>			/lcfd @ 14.65 psi			
				behalf of the	and correct	. Executed Received	this the	ZH-	day of	A.	t and that he ha	/"	edge of /	
		•	Witness (If	any)		RPORATION CO				For Co	mpany		( <del></del>	
<del></del>			Far Commi	ssion	<u>ue</u>	C 24 2	U14	· · · · · · · · · · · · · · · · · · ·	,	Check	ed 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 Hesse Petroleum Company, LLC 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 of 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
gas well 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  I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessary to corroborate this claim for exemption from testing.
Date: 12/15/2014
Signature:  Title: 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.