KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(\$	See Instructi	ons on Reve	rse Side,)			
✓ Open Flow Deliverability			Test Date:				API No. 15 155-21533 - 🗢 - 🤏 -				
Company					1241.	Lease				V	Vell Number
Hesse Petroleum Company, LLC County Location			Section		Ellis		RNG (E/	W)	1	Acres Attributed	
County Location Reno NW/4			20		248		9W .			160	
Field Plevna			Reservoir Mississi				Gas Gathering Connection West Wichita Gas Gathering				
Completion Date 2008			Plug Back Total Depth 3924'				Packer Se	et at			
Casing Siz 4 1/2"	asing Size Weight 1/2" 10.5#		Internal Diameter		Set at 3950'		Perforations 3796'		то 3823'	3823'	
Tubing Size Weight 2 3/8"			Internal Diameter		Set at 3845'		Perforations		То		
Type Completion (Describe) Gas & Oil			Type Fluid Production Oil & Saltwater				Pump Unit or Traveling Plunger? Yes / No Pumping Unit				
		nulus / Tubing)		% C	arbon Dioxid	ie		% Nitroge	en en	Gas Gra	avity - G _g
Annulus			Pressure Taps						(Meter F	Run) (Prover) Size	
Vertical De	• • •					,					
	0.314	Shirt 10	126 2	n lo at a	3:00	(AM) (AM) T	aken	10/27	20 /	6 at 310	(AM) (EM)
Pressure		Started	2)		(AM) (PM) T	aken	/	20 _	at	(AM) (PM)
Well on Li	ine:	Started	21	J al		(////// (/ //// //					
					OBSERVE	D SURFACE	DATA			Juration of Shut-	in Houi
Static /	Orifice	e Circle one: Pressure Meter Differential		Flowing Well Head		Casing Wellnead Pressure		Tubing Wellhead Pressure		Duration	Liquid Produced
Dynamic Property	Size (inches)	Prover Pressure	e in	Temperature t	Temperature t	(P _w) or (P _t)		(P _w) or psig	(P ₁) or (P ₀)	(Hours)	(Barrels)
	()	psig (Pm)	Inches H ₂ 0		140	psig	239,4	pay	para	24	
Shut-In		<u> </u>			6/	220	DIT				
Flow				L							
				T	FLOW STE	EAM ATTRIE	DIES				Flowing
Plate Coefflecient (F _b) (F _p) Mcfd		Circle one: Meter of rover Pressure psia	Press Extension Pmxh	Gravity Factor F _o		Tomporativa		eviation Metered Flor Factor R F _{pv} (Mcfd)		GOR (Cubic Fo	eet/ Fluid Gravity
						ERABILITY)			,) ² = 0.207) ² =
$(P_c)^2 = _{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_$:	(P _w) ² =	Choose formula 1 or :			<u> </u>	, - 14.4) - sure Curv			V. q	Open Flow
(P _c) ² - ((P _c) ² · (P _w) ²	1. P _c ² -P _a ²	LOG of formula		Stop	8016 CUIV 8 = "N" 0r	l n x	LOG	Antilog	Deliverability
(P _c) ² - ((P _d) ²		2. P _c ² -P _d ²	1. or 2. and divide 2 by:	P ₂ -P _w ²	Ass	igned ard Slope				Equals R x Antilo (Mcfd)
			tivided by: Pc - P	, .,	<u> </u>						
-										<u></u>	
				<u></u>		<u> </u>		i		Mc1d @ 14.85 p	sia
Open Flo			Mcfd @ 14		<u></u>	Deliverabl					
The	undersign	ed authority, or	behalf of the	Company,	states that	he is duly au	thorized		the above repo	rt and that he h	nas knowledge of
the facts	stated the	rein, and that sa	aid report is tra	e and corre	CT. RECT	eweb-	7	day of	1	porem.	, 20
	······································	Witness (i	f any)		NOV	0 3 2010			For C	Company	
		For Comm	nission		KCC V	VICHITA	3		Che	cked by	

exempt status under Rule K.A.R. 82-3-3	under the laws of the state of Kansas that I am authorized to request 304 on behalf of the operator Hesse Petroleum Company, LLC nation and statements contained on this application form are true and
correct to the best of my knowledge and	d belief based upon available production summaries and lease records the of completion or upon use being made of the gas well herein named.
gas well on the grounds that said well:	
is on vacuum at the	er lift due to water ral gas for injection into an oil reservoir undergoing ER e present time; KCC approval Docket No roducing at a daily rate in excess of 250 mcf/D est of my ability any and all supporting documents deemed by Commission
Date: 1//2/10	
RECEIVED NOV 0 3 2010 KCC WICHITA	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.