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

Type Tes	it: pen Flov	,	<del>-</del>	(Test Date	See Instruc				'i No. 15			
	ellverabi	ity		iesi Dale	" 12-	.//-2	2013		5-21233 <b></b> 0	000		
Compan Hesse F		ım Company,	LLC			Lease Nunen	naker			1	Well Number	
County Reno	•			Section 30		TWP 23S		RNG (E/W) 10W			Acres Attributed 80	
Field Zenith-Peace Creek				Reservoir Viola				Gas Gathering Connection West Wichita Gas Gathering				
Completion Date 1993				Plug Back Total Depth 3825'				Packer	Set at			
Casing S 5 1/2"	ising Size Weight 1/2" 14#			Internal Diameter		Set at 3851'		Perforations 3680'		То 3686'	то 3686'	
Tubing S 2 7/8"	Tubing Size Weight			Internal C	Diameter	Set at 3705'		Perforations		To	To	
Type Completion (Describe) Sas				Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Y			/ No	
Producing Thru (Annulus / Tubing) Annulus					% Carbon Dioxide						ravity - G <sub>g</sub>	
Vertical C					Pres	sure Taps				(Meter	Run) (Prover) Size	
Pressure Well on L		: Shut in	12/10 2	0 <i></i>		_		/			(AM) (AM) (PM)	
					OBSERVE	D SURFAC	E DATA			Duration of Shut	-inHour	
Static / Dynamic Property	Size	Orifice Size Meter Differential inches) Pressure psig (Pm) Pressure Inches H <sub>2</sub> 0		Flowing Well Head Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_d)$ psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In					240	85	99,4			24		
Flow		,			EL OWLOTE		1011750					
Plate		Circle one:		<u> </u>	FLOW STR	Flowing				<u> </u>	Flowing	
Coeffiec (F <sub>b</sub> ) (F	ient ,)	Meter or Extension  Prover Pressure psia  Press Extension  Pmxh		Gravity Factor F		emperature Factor F <sub>11</sub>	perature Factor		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/ Fluid	
°_)2 =		: (P <sub>w</sub> ) <sup>2</sup> :	. ·	(OPEN FLO	OW) (DELIVI		/) CALCUL P <sub>o</sub> - 14.4) +		•	(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.207	
(P <sub>e</sub> ) <sup>2</sup> - (F		(P <sub>a</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> divided by: P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n"		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
					• •							
Open Flow Mcfd @ 14.69							ollity	Mold @ 14.65 psia				
	•		n behalf of the a				2-44	o make the	a above repor	t and that he ha	knowledge of	
e racio și	aiou trie	Witness (		and correct.	- Executed	uns tile		vay o	For Co		KCC WIG	
								$\bot$		(	DEC 23	
		For Comm	nission					,	Check	ed by	DEC 53	

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:   Alaphass
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.

The Constitution