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

Type Tes	t:				(	'See Instruc	tions on Rev	erse Side	)					
<b>√</b> Op	en Flo	w						1						
Deliverabilty			Test Date	Test Date:				i No. 15 5-21292 <b>– O</b> l	000					
Company	v		, ,	<del> </del>	<del></del>	- //	Lease					Well N	umber	
		um	Company, I	LC ·			Meeks				1			
County Location Reno SE/4				Section 21			TWP 24S		/W)		Acres Attributed 160			
Field				Reservoi	Reservoir			Gas Gathering Connection						
				Mississ	Mississippi			West Wichita Gas Gathering						
Completion Date 1993				Plug Bac 3962'	Plug Back Total Depth 3962'			Packer 8	Set at					
Casing Size Weight 5 1/2" 14#				Internal I	Internal Diameter		Set at 3988'		Perforations 3776'		το 3790'			
Tubing Size Weight 2 3/8" 4.7#				internal i	Internal Diameter		Set at 3856'		Perforations N/A		tic minimum to the second	tite i da se care o emocipo a agrapio divida de la composição de la compos		
Type Completion (Describe) Gas						Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes / No Pumping Unit					
Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - Go										G,				
Annulus	-		·				•					•	a	
Vertical Depth(H)						Pres	sure Taps			· · · · · · · · · · · · · · · · · · ·	(Mete	er Run) (f	Prover) Size	
3783'						Flan					, 2"			
Pressure	Buildu	p:	Shut in	1/12 2	20 <i>4</i> at <u></u>	3:00	(AM) (PM)	Taken	<u> 11/13</u>	20	14 at 3,6	20	(AM) (PM)	
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
				<del></del>		OBSERVE	D SURFACE				Duration of Sh	ut-in	Hours	
Static / Orific			Circle one: Meter	Pressure Differential	Flowing	Well Head	Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration	Liqu	Liquid Produced	
Dynamic Size Property (inches		- 1	Prover Pressu psig (Pm)	ine in Inches H <sub>2</sub> 0	Temperature Temperatur		$(P_w)$ or $(P_t)$ or $(P_a)$		$(P_w)$ or $(P_t)$ or $(P_\sigma)$		(Hours)	'	(Barrels)	
Shut-In	Shut-In		paig (i iii)	mones H <sub>2</sub> 0	270		945 359.4		psig	psia	24		· · · · · · · · · · · · · · · · · · ·	
Flow						/		<i>,,,</i>		,	_~/			
,	<u> </u>		······································	<del></del>	<u> </u>	FLOW STF	REAM ATTRI	BUTES	ł.					
Plate	,		Circle ane:	Press	Τ.		Flowing	T T					Flowing	
Coeffiecient		_	Meter or	Extension	Grav Fac		emperature Far		riation Metered Flow		v GO (Cubic		Fluid	
(F <sub>s</sub> ) (F <sub>p</sub> ) Mcfd		Prover Pressure psia		√ P <sub>m</sub> xh	F				F <sub>pv</sub> (Mcfd)		Barr		Gravity G <sub>m</sub>	
1010	·		<b>F</b>		+		' ft	<u> </u>						
					(ODEN EL	040 (DEL IV	EDADU (TV)	041.01"	ATIONS				<u></u> j	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	:	P <sub>d</sub> =		'ERABILITY) % (P	- 14.4) +		· 		$(P_a)^2 = 0.2$ $(P_a)^2 = $	207	
(0.12-/	D 12	/6	c)2- (Pw)2	Choose formula 1 or 2	LOG of			sure Curve				0	pen Flow	
or		ţ,	ر <sub>ه</sub> (۱۲٫۷۷)	c a	formula			Slope = "n"		LOG	Antilog	De	Deliverability	
(P <sub>g</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>				2. P <sup>2</sup> -P <sup>2</sup> divided by: P <sup>2</sup> -P <sup>3</sup>	and divide	P.2 - P.2	Assigned Standard Slope				-	Equa	Equals R x Antilog (Mcfd)	
	<del>-  </del>				1 -	<u></u>	-					<del></del>	·	
							_				·	_		
Open Flow Mcfd @ 14.65				65 psia	psia Deliverability			Mcfd @ 14.65 psia						
The u	undersi	gned	authority, or	behalf of the	Company, s	tates that h	e is duly aut	norized to	make th	e above repo	rt and that he	has knov	viedge of /	
				id report is true				i III-	day of	Decem	nfor	7	00 14	
	u		.,	oport is tiut		,	and the	¹	ay of	ZM				
				. ,	KANSAS CO	Received RPORATION CO	OMMISSION _		d		$\rightarrow$	<i>j</i>		
			Witness (if	any)	nF		014		7	For C	company			
			For Commi	noiss	CO110-	O) (ATION I DI)	911 —			Chec	ked by			

CONSERVATION DIVISION WICHITA, KS

á	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
<b>S</b>	(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   v is not capable of producing at a daily rate in excess of 250 mcf/D   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.
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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.