## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:			(	(See Instru	uctions on Rev	erse Side	9 🐬			.,	<b>7</b> ;
<b>√</b> Op	en Flow	•		Test Date		1,1	1		No. 15			•
De	liverabil	ty		lest Date	9:  //	14/201	14		, No. 19 5-21391 <b>- 0</b> 0	000		
Company Hesse P		m Company,	LLC		-//	Lease Dillon			AND THE PROPERTY OF THE PROPER	1	Well Nu	mber
County Location Reno SE/4			Section 27			TWP 24S		RNG (E/W) 9W		Acres Attributed 160		
Field				Reservoir			Gas Gathering Connection					
Plevna			<del> </del>	Mississippi				West Wichita Gas Gathering				
Completic 1996			e	3910'	Plug Back Total Depth 3910'				Set at		(1), (10)-11 (100 (11 and 11 a	
Casing Size Weight 5 1/2" 14#			Internal Diameter			Set at 3909'		rations 3'	то 3817'			
Tubing Size Weight 2 7/8"			Internal I	Diameter		Set at Perforations 3820'		rations	<b>To</b>			
Type Con Gas	npletion	(Describe)			d Producti Saltwate				nit or Traveling ing Unit	Plunger? Yes	/ No	
Producing	Thru (	Annulus / Tubin	g)	% C	Carbon Dio	xide		% Nitrog		Gas Gı	avity - (	
Annulus	3											
Vertical D	epth(H)				Pre	essure Taps				(Meter	Aun) (P	rover) Size
Pressure	Buildup	: Shut in <u>//</u>	/13 2	0/4 at _	215	(AM) (RM) -	Taken	11/14	20⁄	H at 2:15	5 (	AM (PM)
Well on L	ine:	Started		0 at	<u></u>	_ (AM) (PM)	,			at	0	(AM) (PM)
					OBSERV	/ED SURFACE	DATA			Duration of Shut-	·in	Hours
Static /	Orifice	Circle ane: Meter	Pressure Differential	Flowing	Well Head	I WALIDADA D	•		Tubing ad Pressure	Duration	Lioui	d Produced
Dynamic Property	Size (inche	Prover Press	<i>ire</i> in	Temperature t	Temperatur t	(P <sub>w</sub> ) or (P <sub>t</sub> )			r (P <sub>t</sub> ) or (P <sub>o</sub> )	(Hours)		Barrels)
Shut-In		psig (Pm)	Inches H <sub>2</sub> 0		340	psig 75	psia 89,4	psig	psia	24	<del> </del>	
Flow							2000					
<u> </u>				<del>-</del>	FLOW ST	FREAM ATTRI	BUTES	L		·····	_l	
Plate		Circle one:	Press	Τ.		Flowing	T					Flowing
Coeffiecient		Meter or	Extension	Grav Fac	,	Temperature		fation ctor	Metered Flow	GOR (Cubic Fe	et/	Fluid
(F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Prover Pressure psia	✓ P <sub>m</sub> xh	F		Factor F <sub>ft</sub>		pv	(Mcfd)	Barrel)		Gravity G <sub>m</sub>
				+	· ,							- m
			I.,,,	(OPEN FL	OW) (DELI	IVERABILITY)	CALCUL	ATIONS				
(P <sub>c</sub> )² =		: (P <sub>w</sub> ) <sup>2</sup> =	:	P <sub>d</sub> =		•	- 14.4) +		:	(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.2 <sup>3</sup> =	07
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2:	LOG of formula		Backpress	Backpressure Curve Slope = "n"		LOG	Antilog	Open Flow Deliverability	
or (P <sub>c</sub> ) <sup>2</sup> - (F	, s		2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Assi	gned rd Slope	<u></u>				R x Antilog (Mcfd)
				-								
Open Flov	w	<u></u>	Mcfd @ 14.6	S5 psia		Deliverabili	itv	l		Vicid @ 14.65 ps	ia	
···								<del></del>				
		ned authority, or erein, and that sa					a ZHV	day of	le above repor	t and that he ha	s know	ledge of 20 20.
		Witness (i	f anv)	<del>- Evangas c</del>	Receive ORPORATIO	<b>ed</b> N COMMISSIO <b>N</b>	_					
		***************************************							/ rorte	ompany		
		For Comm	ission	U	EC 24	ZU14 —			Check	red 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
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.