KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:			((See Instruct	ions on Reve	erse Side	9)	•				
✓ or	en Flow			Test Date	a. /	/	/	A COL	No. 15				
Deliverability			iesi Dali	" ///5	12014	,		190, 19 5-21533 - 60	000				
Company Hesse Petroleum Company, LLC				1//	Lease Ellis				· 1	Weli Nu	mber		
County Reno	· · · · · · · · · · · · · · · · · · ·			Section 20		TWP 24S		RNG (E/W) 9W			Acres Attributed 160		
Field Plevna			Reservoi Mississi				Gas Gathering (West Wichita G						
Completion Date 2008			Plug Bad 3924'	Plug Back Total Depth 3924'			Packer Set at						
Casing S 4 1/2"	Casing Size Weight 10.5#			Internal Diameter		Set at 3950'		Perforations 3796'		то 3823'			
Tubing S 2 3/8"	Tubing Size Weight 2 3/8"			Internal I	Diameter	Set at 3845'		Perforations		То	To		
Type Completion (Describe) Gas & Oil					Type Fluid Production Oil & Saltwater			Pump Unit or Traveling Plunger? Yes / No Pumping Unit					
Producing Thru (Annulus / Tubing) Annulus				% C	% Carbon Dioxide			% Nitrog		Gas Gr	Gas Gravity - G _g		
Vertical Depth(H) Pressure Taps										(Meter i	Run) (P	rover) Size	
Pressure Well on L	-	Shut in //	2		`	(AM) (PM) 1	,	1/5	20	# at 10.11	•	(AM) (PM)	
					OBSERVE	D SURFACE	DATA	·		Duration of Shut-	រំប	Hours	
Static / Dynamic Property	Orifice Size (inches)	Meter Differential		Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_t) or (P_σ) psig psia				d Produced Barrels)	
Shut-In					450		120 134.4			24	24		
Flow					ELOW STD	EAM ATTO	OUTES.				<u>. </u>		
		Circle one:		<u> </u>	PLOW SIR	EAM ATTRIE	DIES			<u> </u>		##	
Plate Coeffied (F _b) (F Mofd	ient () F	Meter or Prover Pressure psia	Press Extension P _m xh	Grav Fac F	tor T	Temperature Fa		viation Metered Flow actor R = (Mcfd)		(Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
				1									
(P _c) ² =	:	(P _w)² =	:	(OPEN FLO		ERABILITY) (P	CALCUL. - 14.4) +			(P _a) ⁻	2 = 0.2 2 =	07	
(P _c) ² - (F or (P _c) ² - (F	l	Chaose formula 1 or (P _c) ² - (P _w) ² 1. P _c ² - P _a ² 2. P _c ² - P _d divided by: P _c ² - P		LOG of formula 1. or 2. and divide p 2_ p 2		Backpressure Curve Slope = "n" Or Assigned Standard Slope		n x LOG		Op Antilog Equals		en Flow iverability R x Antilog (Mcfd)	
													
Open Flow Mcfd @ 14.65 psia Deliverability									Mcfd @ 14.65 psia				
		ed authority, on		and correc		this the	ZH	make-th	e above repor	t and that he ha		ledge of /	
		Witness (if	any)					7	ForC	mpany			
		For Comm!	ssion	——DI	EC 2 4 2	2014 —		(Chec	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 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.