KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instructions on Reverse Side)									
√ Op	✓ Open Flow			Test Date:			1	4.00	A4 4 M					
De	Deliverabilty			Test Date	:: !//:	5/201	-12014		No. 15 5-21338 ~ 0 0	00				
Company Hesse Petroleum Company, LLC						Lease Fergusor	<u>/</u>		and the second s	1	Well N	ımber		
County Location Reno NE/4				Section 28			TWP 24S		W)	Acres Attributed 160		Attributed		
Field Plevna					Reservoir Mississippi			Gas Gathering Connection West Wichita Gas Gathering			45			
Completion Date 1994				Plug Bac 3933'	Plug Back Total Depth 3933'			Packer 8	Set at					
Casing S 4 1/2"	ize		Weigh 10.5#		Internal (Internal Diameter		Set at 3976'		rations 8'	To 3826'			
Tubing Size Weight 2 3/8"				Internal I	Diameter	Set at 3687'		Perforations		To	To .			
Type Con Gas	npletio	n (D	escribe)			Type Fluid Production Saltwater				nit or Traveling ing Unit	Plunger? Yes	er? Yes / No		
Producing	g Thru	(An	nulus / Tubing	1)	% C	% Carbon Dioxide			% Nitrog		Gas G	Gas Gravity - G		
Annulus	3											-	g	
Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size												rover) Size		
Pressure Buildup: Shut in														
						OBSERVE	D SURFACE	DATA			Duration of Shut	-ín	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		(P_w) or (P_t) or (P_a)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)	Liqu	Liquid Produced (Barrels)	
Shut-In	Shut-in		parg (i m)	mones rigo		450	psig psia 375 389,4		psig psia		24			
Flow								÷						
						FLOW STR	EAM ATTRIE	BUTES						
Plate Coefficcient (F _b) (F _p) Mcfd		Circle ane: Meter or Prover Pressure psia		Press Extension P _m xh	Grav Fact F _s	tor T	Factor Fac		iation Metered Flow ctor R F, (Mcfd)		v GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _{er}	
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS	•	(P _*)	² = 0.2	07	
(P _c) ² =		_:	(P _w) ² =	<u> </u>	P _d = -	9	% (Р _а	- 14.4) +	14.4 =	:	(P _d)			
$(P_c)^2 - (P_q)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. $P_c^2 - P_a^2$ LOG of formula 2. $P_c^2 - P_d^2$ Log of formula 1. or 2. 1. or 2. and divide by:		P _c ² -P _w ²	Slope o Assig	Backpressure Curve Slope = "n" Assigned Standard Slope		Log	Antilog De		oen Flow iverability I R x Antilog (Mcfd)	
						·								
Open Flov	l w	••••••		Mcfd @ 14.	.65 psia		Deliverabili	tv			Mcfd @ 14.65 ps	la la		
		iana	l authority		<u> </u>	totar that fo							lades of A	
				id report is true	e and correct	t. Executed	this the	511	day of	e above repo	rt and that he ha	,	20	
			Witness (if	апу)			ON COMMISSIO	M	19	For O	ompany			
			For Commi	nolas		DEC 2 4		:		Chec	(ked 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.