KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes			- ,			(See Instruc	tions on R	everse Sid	9)		_		
	en Flov diverabi			•	Test Dat	ie: //	11 1	2010		No. 15			
				·····		12-	11-2	013	155	5-21271 ~ O (200		
Company Hesse P	etrole:	um Compan	y, LL	С			Lease Bower	1			2	Well Number	
County Location Reno N/2 NW/4				Section 29		TWP 23S			(W)		Acres Attributed 80		
Field Zenith Peace Creek					Reservoir Viola				Gas Gathering Connection West Wichita Gas Gathering				
Completion Date 1991					Plug Bad 3825'	k Total Dep	th	Packer Set at N/A		Set at			
Casing Size Weight 5 1/2" 14#			Internal Diameter		Set at 3851'		Perfo 365	rations 8'	то 3668'				
Tubing Size Weight 2 3/8"				Internal	Diameter	Set at 3687'		Perfo	rations	То			
Type Completion (Describe) Gas				Type Fluid Production Oil & Saltwater			Pump Unit or Traveling Plunger Pumping Unit			Plunger? Yes	/ No		
	Thru ((Annulus / Tu	binaì			% Carbon Dioxide			% Nitrogen			Gas Gravity - G	
Annulus		y commence y TV	~7		,,,				'A HILLAR	-	Gas G	g	
/ertical Depth(H)					Pressure Taps					(Meter	Run) (Prover) Size		
	Date:	. Maria ta	10.	110 ,	13.	12:58) -	10.11	/	13 at 12:3	50	
Pressure			12				_		اربري				
Vell on L	ine:	Started		2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
				r" ·		OBSERVE	D SURFAC	E DATA	T		Duration of Shut-	inHour	
Static /	Orific	ize Meter Di		Pressure Differential	ntial Flowing Well H		Head Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration	Liquid Produced	
Dynamic Property	Size (inche:			in Inches H,0	Temperature t	Temperature t	(P _w) or (I	(P _w) or (P _t) or (P _a)		(P_i) or (P_a)	(Hours)	(Barrels)	
Shut-In		75.8 (,	1110100 1120		21/0	80	94,4	psig	psia	24		
Flow						2,74	00	17,7			27		
L						FLOW STR	EAM ATTE	RIBUTES	ļ				
Plate	Т	Circle one:		Press	1	ļ	Flowing	1				Flowing	
Coefficient (F _b) (F _p		Meter of Prover Pressure		Extension P _m xh	Grav Fact	tor 1	emperature Factor	Fa	ation ctor	Metered Flow R (McId)	GOR (Cubic Fe Barrel)	fluid Gravity	
Mcfd		psla		· m	"	<u>'</u>	F,,		-			G _s	
					(OPEN FL	OW) (DELIV	ERABILITY	O CALCUL	ATIONS			L	
$(P_a)^2 = $: $(P_w)^2 = $:					P _d =% (P _o - 14.4				:	(P _a): (P _a):	² = 0.207 ² =		
	112	(P _c) ² - (P _y) ²	Cho	pse formula 1 or 2:	LOG of		Backpre	ssure Curve		Γ٦I		Open Flow	
$(P_a)^2 - (P_b)^2$ or $(P_a)^2 - (P_d)^2$				formula p2.p2 1. or 2.				pe = "n" -or	nxL	og	Antilog	Deliverability Equals R x Antilog	
$(P_a)^2 - (P_d)^2$		1		d by: P ² -P ² and divide P				signed tard Slope				(Mcfd)	
						· · · · · · · · · · · · · · · · · · ·							
Open Flow Mcfd @ 14.65 psia							Deliverability			Mcfd 14.65 psia			
		ned authority, rein, and that					-	1-41	make the	above repor	t and that he ha	s knowledge of	
			,	·			(-KCC WIC	
		Witnes	s (if any)			_		7	For Co	mpany		
		Far Co	mmlasion	n	<u>.</u>		-			Chack	ad by	DEC 23	

	r Pule K.A.R. 82-3-304 on behalf of the operator Hesse Petroleum Company, LLC							
	sing pressure information and statements contained on this application form are true and							
correct to the best of	of my knowledge and belief based upon available production summaries and lease records							
of equipment instal	ation and/or upon type of completion or upon use being made of the gas well herein named.							
. I hereby reques	st a one-year exemption from open flow testing for the							
gas well on the gro	unds that said well:							
(Check d	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							
7	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: 12/20/	2013							
	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.