Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	::					(See Insi	truct	ions on Re	verse Side	e)				
Op	en Flo	W				Test Date	.				ΔF	Pl No. 15			
De	liverab	ilty				10-7 TH		0-8,	2015			-007- 2403			
Company HERMA		LOE	EB, LLC						Lease GRAVI	ES A		20,150	7 1-19	Well N	lumber
County Location BARBER C SW NW			Section 19				TWP RNG (I 32S 13W		E/W)		Acres	Attributed			
Field AETNA				Reservoir MISSISSIPPIAN				Gas Ga ONE	athering Conn	rection					
Completion Date 8-17-1970				Plug Bac 4767	k Total [Dept	h		Packer Set at NONE						
Casing Size Weig 5.500 15.5					Diameter Set at 4767			Perforations 4692		то 4704					
Tubing Si	ize		Weig 4.70			Internal I 1.995	Diameter	r Set at 4675			Perf OP	orations EN	То		
Type Completion (Describe) SINGLE				Type Flui	Type Fluid Production GAS, WATER				Pump Unit or Traveling Plunger? Yes / No PUMPING						
	3 Thru	(Anr	nulus / Tubi	ng)			arbon D		de		% Nitro		Gas G	ravity -	G _o
Vertical D		1)			· · · · · · · · · · · · · · · · · · ·		F	ress	sure Taps				(Meter	Run) (Prover) Size
Pressure Well on L			Shut in			0 15 at 2:							15 at 2:00 F		(AM) (PM)
							OBSEI	RVE	D SURFAC	E DATA			Duration of Shu	t-in 24	Hours
Static / Dynamic Property	namic Size		Meter Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		(P_)	Tubing lead Pressure or (P ₁) or (P _c)	Duration	Liquid Produced	
Shut-In			paig (Fili	'	inches H ₂ 0				70	psia	psig	psia	24	700	CONTRACTOR STATE OF THE STATE O
Flow				_										700	1 9 2015
				_		,	FLOW	STR	EAM ATTR	RIBUTES					ECENTER
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Grav Extension Fact √ P _m xh F _g		tor Ter		Flowing emperature Factor F _{II}	Fa	viation actor F _{pv}	Metered Flo R (Mcfd)	w GOR (Cubic F Barre	004	Flowing Fluid Gravity G _m
/D \2 _			(P _w) ²	_	•	(OPEN FL		LIVI 9		•				$(x^2)^2 = 0.$ $(x^2)^2 = 0.$	207
$\frac{(P_c)^2 = }{(P_c)^2 - (P_a)^2}$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Cho	ose tormula 1 or 2 1. P _c ² -P _a ² 2. P _c ² -P _d ² ted by: P _c ² -P _a ²	LOG of formula 1. or 2. and divide		1	Backpressure Curve Slope = "n" or Assigned Standard Slope		, n x	LOG	Antilog	C De	Open Flow Deliverability Equals R x Antilog (Mcfd)
			,		_ · ·		-								
Open Flor	W				Mcfd @ 14.	65 psia			Deliverat	ollity			Mcfd @ 14.65 ps	3la	
		_			ehalf of the report is true				-			the above repo	ort and that he h		wledge of , 20 <u>15</u> .
			Witness	(if any	у)			_	-		at	tall	Company		
			For Com	missio	nc			_	-			Che	cked by		

I doclare une	er penalty of perjury under the laws of t	he state of Kansas that I am auth	orized to request
	ler Rule K.A.R. 82-3-304 on behalf of the		
and that the fore correct to the bes of equipment inst I hereby requ	poing pressure information and stateme of my knowledge and belief based upor allation and/or upon type of completion or est a one-year exemption from open flow	nts contained on this application in available production summaries a upon use being made of the gas w	form are true and and lease records
gas well on the g	ounds that said well:		
(Check	is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection i is on vacuum at the present time; KCC is not capable of producing at a daily re to supply to the best of my ability any a	approval Docket Noate in excess of 250 mcf/D	
staff as necessar	to corroborate this claim for exemption	from testing.	
Date: 10/16/2019			KCC WICHIT OCT 19 2015 RECEIVED
	Signature:	Han Watel	
	Title: RE	P. HERMAN L. LOEB, LLC	

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.