KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					((See Instru	ıctions on Re	verse Side	;)					
	en Flo					Test Date: API No. 15 5-29-13 15-119-10310-00-00									
Company HERMA		DEB	LLC			0 20 10	·	Lease WOOLF	RIDGE			#1	Well Nu	mber	
County Location MEADE C SE4						Section 20		TWP 34S			W)	·	Acres Attributed 640		
Field MCKINNEY					Reservoir MORROW-CHESTER					hering Conn IDSTREAM					
Completion Date 6-2-58				Plug Back Total Depth 6138				Packer S NONE	Set at						
Casing Size Weig 5.50 15.5							Diameter Set 615			Perforations 6086		то 6128			
Tubing Size Weight 2.375 4.70					Internal (1.995	Diameter		Set at 6150		Perforations		То			
Type Completion (Describe) COMMINGLED					Type Fluid Production WATER				Pump Unit or Traveling Plunger? Yes / No YES-PUMPING UNIT						
Producing Thru (Annulus / Tubing) ANNULUS					% Carbon Dioxide				% Nitrog	en	Gas G	Gas Gravity - G _g			
Vertical D		1)	, <u>, , ,</u>			-,	Pre	essure Taps				(Meter	Run) (Pr	over) Size	
Pressure	Buildu	p:	Shut in 5-2	29	2	0_13 at 1	1:30	(AM) (PM)	Taken 5-	30	20	13 at 11:30	(———— AM) (PM)	
Well on Line:									(AM) (PM) Taken						
							OBSERV	/ED SURFAC	E DATA			Duration of Shut	t-in24	Hours	
Static / Dynamic Property	nic Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	lemperature tempe		wellhead Pressure $(P_w) \text{ or } (P_l) \text{ or } (P_a)$		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (ВалеІs)		
Shut-In	nut-in		poig (1 m)		1120			70	psia_	psig psia		24			
Flow															
				т-			FLOW ST	FREAM ATTR	IBUTES			·			
Plate Coefficient (F _b) (F _p) Mcfd			Circle and: Meter of Prover Pressure psia		Press Extension ✓ P _m x h	Grav Fac F	tor Temperatur		Deviation Factor F _{pv}		Metered Flor P (Mcfd)	W GOR (Cubic For Barrel	eet/	Flowing Fluid Gravity G _m	
				<u>.</u>					<u> </u>					·	
P _c)² =		_:	(P _w)² :		<u> </u>	(OPEN FL		I VERABILITY _% (I) CALCUL P _c - 14.4) +		;) ² = 0.20) ² =)7	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P	(P _c) ² - (P _w) ² 1. P _c 2. P _c		se formula 1 or 2: . P _c ² - P _e ² . P _c ² - P _d ² ad by: P _c ² - P _w ²	LOG of formula 1, or 2, and divide		Sto As	Backpressure Curve Slope = "n" or Assigned Standard Slope		LOG	Antilog	Deli Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo					Mcfd @ 14.			Deliverat		<u></u>		Mcfd @ 14.65 ps			
		_	l authority, o					•	uthorized t 16		e above repo OVEMBER	ort and that he h		edge of 20 <u>13</u>	
			.,	· • ·			2000		1		4/2	e Car	ر در د	M/IOL:	
			Witness	(if any)				July	arv-	For	Company	9-1-	vvi ci i	
			For Com	nissio	<u> </u>				/	<u> </u>	Che	cked by	DEC	1 2 201	
								O					RE	CEIVE	

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 HERMAN L LOEB 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
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 mct/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: NOVEMBER 16, 2013
Signature: Jawy W 9115- Title: HERMAN L LOEB LLC AREA SUPERVISOR

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.