Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

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Type Test	t;				(See Instruc	ctions on Re	verse Side	e)				
□ Ор	en Flo	w			T				4.51	N. ag			
Del	liverab	ilty			Test Date 12/17 &	∍: 18, 2014				No. 15 171 - 20185-(00-00		
Company HERMAI		OEE	B LLC				Lease BARNH	ARDT			2-1	Well Nu	ımber
County Location SCOTT C SE			Section 2		TWP 20S				Acres Attributed				
Field HUGOT	ON NO	ORT	'H		Reservoir KRIDEF					hering Conn			
Completic 1/19/198		e		-	Plug Bac 2653	k Total Dep	pth		Packer S NONE	Set at			
Casing Size 4.500			Weigl 9.50(Internal Diameter 4.090			Set at 2681		rations 1	то 2645		
Tubing Size 2.375			Weigl 4.700		Internal I	Diameter		Set at 2626		rations N	То		
Type Completion (Describe) SINGLE Type Fluid Production GAS,WATER				Pump Unit or Traveling Plung PUMPING				er? Yes / No					
Producing		(Ann	ulus / Tubin	g)	% C	Carbon Diox	kide	-	% Nitrog	en	Gas G	ravity - 0	G _g
Vertical D)			-	Pre	ssure Taps	_			(Meter	Run) (P	rover) Size
Pressure	Buildu	p: 5	Shut in 12	/172	14 at		_ (AM) (PM)	Taken_12	2/18	20	14 at		(AM) (PM)
Well on Li	ine:	5	Started	2	0 at		_ (AM) (PM)	Taken		20	at		(AM) (PM)
					_	OBSERV	ED SURFAC	E DATA			Duration of Shut	——— -in	Hours
Static / Dynamic Property	Orific Size	e	Circle one: Meter Prover Press psig (Pm)	Pressure Differential ure in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	e (P _w) or (P	Pressure () or (P _c)	Wellhe	ubing ad Pressure (P,) or (P _c)	sure Duration Liquid Produced (Pc) (Hours) (Barrels)		id Produced
Shut-In			psig (Fili)	mones H ₂ O	,		72	psia	psig 45	psia	24	+	
Flow												 	
LI						FLOW ST	REAM ATTR	IBUTES	l		<u>-</u>		
Plate Coeffieci (F _b) (F _j Mcfd	ient ,)		Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m xh	Grav Fac	tor	Flowing Temperature Factor F _{ft}	Fa	lation ctor	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
(P _c) ² =			(P _w) ² =	: :	(OPEN FLO		VERABILITY) CALCUL ² c - 14.4) +			(P _a)) ² = 0.2	207
(P _c) ² - (F)²		c) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2.		Backpre Sloj 	ssure Curve be = "n" or signed ard Slope	n x	og [Antilog	O _l Del Equals	pen Flow liverability s R x Antilog (Mcfd)
			· ·									┼─	
Open Flov	N			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia	
The u	undersi	gned	authority, o	n behalf of the	Company, s	states that	he is duly au	thorized to	o make th	ie above repo	ort and that he ha	as know	ledge of
the facts st	tated th	nereir	n, and that s	aid report is true		R	eceived		day of D	ECEMBER		<u> </u>	20 14 .
			Witness	(if any)			ORATION COMM 0 2 2015		M.	For C	Company		
	_		For Com	nission	_		ATION DIVISIO			Che	cked by		
						Wic	HITA, KS	• •					

	rjury under the laws of the state of Kansas that I am authorized to request 2-3-304 on behalf of the operator HERMAN L. LOEB LLC
	nformation and statements contained on this application form are true and
• • •	e and belief based upon available production summaries and lease records
of equipment installation and/or up	on type of completion or upon use being made of the gas well herein named.
I hereby request a one-year ex	cemption from open flow testing for the BARNHARDT 2-1
gas well on the grounds that said	
is cycled on plus is a source of ris on vacuum a is not capable. I further agree to supply to the	ethane producer unger lift due to water natural gas for injection into an oil reservoir undergoing ER t the present time; KCC approval Docket No of producing at a daily rate in excess of 250 mcf/D the best of my ability any and all supporting documents deemed by Commission this claim for exemption from testing.
Date: 12/19/2014 Received KANSAS CORPORATION COMMISSION JAN 0 2 2015 CONSERVATION DIVISION WICHITA, KS	Signature:

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.