KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t;				6	See Instruct	ions on Rev	erse Side)					
Open Flow				Test Date:					N. 45					
Deliverabilty				Test Date: 12/14/15			API No. 15 007-01081 0000							
Company BEREN CORPORATION				Lease RATHGERBER					Well Number					
			Locatio NE SW		Section 32			TWP RN: 34S 12		W)		Acres Attributed N/A		
Field HARDTNER					Reservoir MISS			Gas Gath ONEO		hering Conn	ection	-		
Completic			5		Plug Bac 4862	k Total Dept	h		Packer S NONE					
Casing Size 5.5			Weight 14		Internal Diameter		Set at 4875		Perforations 4822		To 4853			
Tubing Size 2 3/8			Weight 4.7		Internal Diameter		Set at 4860		Perfo	rations	То	То		
Type Con			scribe)	_	Type Flui WTR	d Production	1	<u>.</u>	Pump Ui	nit or Traveling	Plunger? Yes	/ No		
Producing Thru (An:			ulus / Tubing)	% Carbon Dioxid		de ,		% Nitrog		Gas Gravity - G _p 0.8573		3,	
Vertical D)				Press	sure Taps						rover) Size	
Pressure Well on L			Shut inStarted								15 at 11:00		(AM) (PM) (AM) (PM)	
			L.		-	OBSERVE	D SURFACE	DATA	1	, -	Duration of Shut-	in 24	Hours	
Static / Orifice Dynamic Size Property (inches			Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			paig (i iii)	MICHES 1120			psig 100	psia	psig	psła	24			
Flow														
						FLOW STR	EAM ATTRI	BUTES			 ,			
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psla		Press Extension √ P _m x h	Grai Fac F _e	tor 1	Flowing Temperature Factor F _{ft}		iation ctor	Metered Flor R (McId)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
<u> </u>											<u> </u>			
(P _c) ² =		,	(P,,)² =_		(OPEN FLO	OW) (DELIV		CALCUL - 14.4) +			(P _a) (P _d)	² = 0.2 ² _	07	
		<u> </u>		Chaose formula 1 or 2	:			sure Curve			(4/		en Flow	
(P _c) ² - (or (P _c) ² - (l	P _a) ²	(P	e)2 - (P _w)2	1. P _c ² - P _a ² 2. P _c ² - P _d ² inided by: P _c ² - P _w	LOG of formula 1. or 2. and divide by:	P.2-P.2	Ass	e = "n" or signed ard Slope	n x	rog	Antilog	Del Equals	lverability R x Antilog (Mcfd)	
	\dashv			.			 							
Onen Fla	L			Note & 14	SE polo		Dollynash				M-64 @ 14 CC	L		
Open Flo		nned	Lauthority en	Mcfd @ 14	·	states that h	Deliverab		a maka 4	no obeve rec	Mcfd @ 14.65 ps ort and that he ha		uladas si	
				id report is tru						ecember	r and mat he he		20 <u>15</u> .	
'						KCC /		12	ett	Bh		'		
			Witness (if	алу)						U For	Company			
	-		For Commi	ssion		DEC 3	1 2015			Che	cked by			

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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 Beren Corporation 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 fequipment 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 Rathgerber #1
as well on the grounds that said well:
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 taff as necessary to corroborate this claim for exemption from testing.
pate: 12/29/15
Signature: Math Mach
KCC WICHITA Petroleum Engineer
OEC 3.1 2015
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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.