KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test						(1	oge msm	1000	iis uii navi	6136 3106	,							
	Test Date:										API	No. 15	0400			_		
Company		лиу				11/9/12			Lease				-0108	31 - 00		Jumber		
		RP	DRATION						RATHG	ERBE				1				
County Location BARBER NE SW SW								TWP RNG (E 34S 12W			/W)			Acres Attributed N/A				
Field HARDTNER					Reservoir MISS	r			Gas Gathering Connec						REC			
Completion Date OCTOBER 1955					Plug Back Total Depth 4862			Packer S NONE					NOV B853 KCC W					
Casing Si 5.5	asing Size Weight .5 14				Internal Diameter			Set at 4875			Perforations 4822		то 4853		KCC			
Tubing Si 2 3/8	Tubing Size Weight 2 3/8 4.7				Internal Diameter			Set at Perfo 4860		Perfo	orations		То					
Type Com	•	•	escribe)		,	Type Flui	d Product	ion			Pump Un	it or Tr aveling	Plung	er? Yes	/ No			
		(Anı	nulus / Tubir	ıg)			% Carbon Dioxide				% Nitrogen				Gas Gravity - G _g			
	ANNULUS Vertical Depth(H)					0.383	0.383 Pressure Tap				0.440				0.8573 (Meter Run) (Prover) Size			
			44	10.1		40 4	4.00 AB			44	10.1		40	11.00	A B 4			
Pressure	Buildu	ıp:	Shut in	/O/	2	0_12 at _1	1.00 AN	<u>'</u> (A	AM) (PM)	Taken11	191	20	a	t	~!VÍ	(AM) (PM)		
Well on L	ine:		Started		20) at		_ (A	AM) (PM)	Taken		20	a	t		. (AM) (PM)		
							OBSER	VED:	SURFACE	DATA			Duration	on of Shut-	_{in} 24	Hours		
Static / Dynamic Property	ic Size		Meter Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Hea Temperatu t	erature (P _w) or (Pressure) or (P _c)	Wellher (P _w) or	ubing ad Pressure (P ₁) or (P _c)	Duration (Hours)		Liquid Produced (Barrels)			
Shut-In	-In		para (my					psig 55		psia	psig 75			24				
Flow										·					1			
							FLOW S	TRE/	AM ATTRI	BUTES		•						
Plate Coeffiec (F _b) (F Mcfd	ient ,)	Circle one: Meter or Prover Pressure psia			Press Gre Extension Far ✓ P _m x h		tor Temperatu		nperature Factor	ture Eactor		Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m		
										<u> 1</u>								
(P _c)² =			(P _w) ² :			(OPEN FL	, ,	.IVEF %	•	CALCUL - 14.4) +				(P _a) (P _d)	² = 0.	207		
$(P_c)^2 \cdot (P_a)^2$ or $(P_c)^2 \cdot (P_d)^2$		(P _c) ² - (P _w) ²		Chao 1	se formula 1 or 2: . P _c ² - P _s ² . P _c ² - P _d ² P _c ² - P _c ²	LOG of formula 1. or 2. and divide	Grof nuta r 2. fivide p 2 _ p 2		Backpres Slope Ass	sure Curve e = "n" origned ard Slope	nxl	.og [Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)			
				U.V.U.	у с 'ж													
Open Flo	w				Mcfd @ 14.	65 psia	_		Deliverabi	lity			Mcfd @	14.65 ps	ia			
		-	•			• •						e above repo	ort and	that he ha				
he facts s	tated	there	in, and that s	said 1	report is true	and correc	t. Execut	ed th	nis the _26	ith //a	day of N	OVEMBER BLV			1	, 20 12 .		
~~ ~~~			Witness	(if any	r)			-	_	10	4/11	For	Company					
			For Com	ımlssio	ın .			-				Che	cked by					

	KCC WICHIA
	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator BEREN CORPORATION
and that the foreg correct to the best	oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records
	liation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the RATHGERBER #1
gas well on the gro	ounds that said well:
(Check	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
<u></u>	is on vacuum at the present time; KCC approval Docket Nois not capable of producing at a daily rate in excess of 250 mcf/D
I further agree	e to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessan	to corroborate this claim for exemption from testing.
Date: 11/26/12	
	Signature: _ Beth Bley
	Title: PETROLEUM ENGINEER

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.