KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:		ONL	POINT 3			ctions on Rev				1 1201			
Open Flow Deliverability			Test Date: 04/22/2014				API No. 15 15-165-20376 000 0							
Company Bear Petroleum LLC			L		Lease Grumbe			100 20010		Well Number 1				
County Rush			Locati C NE N		Section 9		TWP 17	TWP 17		RNG (E/W) 17W		Acres Attributed 320		
Field Reichel				· -	Reservoir Topeka, LKC				Gas Gathering Connection		ection			
Completion Date 03/23/1971			<u>. </u>		Plug Back Total Depti 3547		pth	h		Packer Set at			_	
Casing Size 4 1/2"			Weigh 9.5	Internal Diameter 4"			Set at 3589		Perforations Topeka 3060-64		то LKC 3350-3528			
Tubing Size 2 3/8"			Weight 4.6		Internal Diameter 2"		Set at 3580		Perforations		To	То		
Type Completion (E Perf & Treat			escribe)		Type Flui Saltwa	d Producti ter	ion			Pump Unit or Traveling Plung Pumping Unit		inger? Yes / No		
Producing	_	(Ani	nulus / Tubinç	3)	% C	arbon Dio	xide		% Nitrog	en	Gas G	ravity - (3 ,	
Vertical E	Depth(l	1)	-			Pre	essure Taps	-			(Meter 4"	Run) (P	rover) Size	
Pressure	Buildu	p:	Shut in 04/	21 2	14 at 9	:00	_(AM)(PM)	Taken_104	1/22	20	14 at 9:00	((AM)(PM)	
Well on L	.ine:		Started	2	0 at		_ (AM) (PM)	Taken		20	at	((AM) (PM)	
	1				ı 	OBSERV	ED SURFACE	DATA	,		Duration of Shut	-in	Hours	
Static / Dynamic Property	Orif Siz (inch	:e	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0 Prossure Temperature t Well Head Temperature t Well Head Temperature t Prossure Temperature t Prossure Temperature t Prossure Temperature t Properature Temperature psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)						
Shut-In							92	Poil	,,,,	78.0				
Flow				<u> </u>	<u> </u>	EL OIN C	EDEAM ATYRI	DUTES						
Plate			Circle one:	Drana	Τ		Flowing						Flowing	
Coeffictient (F _b) (F _p) Mcfd		Pro	Meter or over Pressure psia	Press Extension ✓ P _m x h	Extension Fac		Temperature Factor F _{ft}	Deviation Factor F _{pv}		Metered Flov R (Mcfd)	y GOR (Cubic Fe Barrel)	eet/	Fluid Gravity G _m	
													-	
(D.)2		_	/D \2		•		IVERABILITY)			_	(P _a)	$0^2 = 0.2$	07	
(P _c) ² =		<u>-</u> :	(P _w) ² =	Choose formula 1 or 2	P _d =		,	- 14.4) +		 ;	· (F _d ,			
$(P_e)^2 - (P_g)^2$ or $(P_g)^2 - (P_g)^2$				1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	2. P _c ² -P _d ² 1. or 2. and divide		P _c ² - P _w ² As		n x	LOG	Antilog	Del Equals	oen Flow iverability : R x Antilog (Mcfd)	
Open Flo	W			Mcfd @ 14.	.65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia 		
		•	•	n behalf of the	• •		•	_	o make that day of	•	rt and that he h		ledge of 20 14 .	
			,				_),+~	leum			
	-		Witness (i	f any)	K(CC_W	ICHITA		<u> </u>		DOMPANY Prt	<u></u>	_ کیـ	
			For Comm	ission		1AY-0 (3 2014 L	411	4	M/ULIC	cked by			

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	lare under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator Bear Petroleum, 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
	nent installation and/or upon type of completion or upon use being made of the gas well herein named. by request a one-year exemption from open flow testing for the Grumbein A #1
	on the grounds 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
	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 furth	ner agree to supply to the best of my ability any and all supporting documents deemed by Commissio
staff as n	ecessary to corroborate this claim for exemption from testing.
Date: <u>05</u> ,	02/2014
	Signature:
	Title: President .

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 to account the subject well to acc