KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t: ien Flor	w	O 11.			, A DI LIL	See Instru	uctions on Re	everse Side	9)						
Defiverability					Test Date: 11-14-13				API No. 15 15-165-21675 – 0000							
Company Bear Pe		n Li				11-14-1	<u>. </u>	Lease Grahar	m	10	-100-21073			Well No	umber	
County Location Rush C W/2 SE				Section 23		TWP			RNG (E/W) 18W				Acres Attributed			
Field Liebenthal				Reservoi	Τ		Gas Gathering Connec				n					
Completion Date 3-9-95			-,	<u> </u>		k Total De	epth		Packer Set at							
Casing Size			,	Weight 10.5			Diameter		Set at 3618		Perforations 3345		To 3349		_	
Tubing Si 2 3/8"	ze	Weight 4.6			4" Internal D 2"		Diameter			Perforations			To		**************************************	
2 3/8" 4.6 Type Completion (Describe) Perf & Treat						d Producti	· · · · · · · · · · · · · · · · · · ·	n Pump			p Unit or Traveling Plunger? Ye			es / No		
Producing Thru (Annulus / Tubing)			% Carbon Dioxide			Pumping Unit % Nitrogen				Gas Gravity - G						
Annulus	-			٠,			· · · ·			, •	.		, (9	
Vertical D	epth(H)					Pre	essure Taps					(Meter 4"	Run) (P	rover) Size	
Pressure	Buildu) :	Shut in11	-13	s	0_13_at_9	:30	_(AM) (PM)	Taken 11	1-14	2	0 13	at_9:30	((AM) PM)	
Well on L	ine:		Started		20	0 at		_ (AM) (PM)	Taken	 	2	0	at		(AM) (PM)	
			·		-		OBSERV	ED SURFAC	E DATA			Dun	ation of Shut	-in	Hours	
Static / Dynamic Property	Orific Size (inche	9	Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperatur t	Wellhead (P _w) or (F	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Tubing Wellhead Pressure (P _*) or (P ₁) or (P ₂) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In								60	рыв	psig	psia				_	
Flow																
			·u				FLOW ST	REAM ATTE	IBUTES		,				т	
Plate Coeffieci (F _b) (F _c Mcfd	ent ,)	Circle one: Meter or Prover Pressure psia		Press Extension √ P _m xh		Gravity Factor F _g		Flowing Temperature Factor	Fa	ation ctor	Metered Flow R (Mctd)		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
P _c)² =		_:	(P _*)²	=	:	(OPEN FLO	OW) (DELI	IVERABILITY _% (F) CALCUL 14.4) +		:		(P _a) (P _d)	² = 0.2 ² =	07	
(P _c) ² - (F or (P _c) ² - (F	•	(P _c)² - (P _w)²		Choose formula 1 or 2: 1. $P_0^2 \cdot P_a^2$ 2. $P_0^2 \cdot P_a^2$ divided by: $P_0^2 \cdot P_w^2$		LOG of formula 1. or 2. and divide by:		Backpressure Curvent Slope = "n"		n x	Γ 7		Antilog	Open Flow Deliverability Equats R x Antilog (Mcfd)		
											·					
Open Flov					Mofd @ 14.0	E pais		Dollinger	.ilia			14-71	A 4405			
,					Mcfd @ 14.6			Deliverab		·			@ 14.65 psi			
								he is duly at d this the			ne above rep lovember	ort an	d that he ha		ledge of	
	,				,				Bes	```,	Pet	((1011	m	IIC	
			Wilness	(if any	1			,	Lai	~_ ^rv	Whi	Compan	rt	KC	C WIC	
			For Corn	missio	n			-		<i>-</i>	Ch	ecked by	·	410		

NOV 2 6 2013 RECEIVED

exempt status and that the t correct to the of equipment	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Bear Petroleum LLC oregoing pressure information and statements contained on this application form are true and best of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. equest a one-year exemption from open flow testing for the Graham #1
	e grounds that said well:
I further a	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 agree to supply to the best of my ability any and all supporting documents deemed by Commission sarry to corroborate this claim for exemption from testing.
	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.

NOV 2 6 2013
RECEIVED