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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flov	,	ONL		OIRT O	,	See Instru		on Rev		•	No 45	•	LOI			
De	liverabi	ty				Test Date 3-21-15						No. 15 145-21040 -	- 000	o			
Company Bear Per		n Ll	LC					Lea Nu	ase ickolls	вВ					Well Nu 1-1		
County Location Pawnee C N/2 SE/4			Section 15					RNG (E/W) 20W			Acres Attributed 160						
Field Steffen S	South					Reservoir Krider	•					hering Conn nada/Northe					
Completic 6-10-83	on Date)				Plug Bac 2390	k Total De	pth			Packer S	Set at					
Casing Size 4 1/2"			Weig 10.5			Internal E 4"	Internal Diameter 4"			t 3	Perforations 2182			то 2214			
Tubing Size 2 3/8"			Weight 4.6			Internal D	Internal Diameter 2"			t 1	Perforations			То			
Type Completion (Describe) Perf & Treat			Type Fluid Prod Saltwater				tion			Pump Unit or Traveling Plunger? Pumping Unit				Yes / No			
-	_	(Anr	nulus / Tubii	ng)		% C	arbon Dio	xide			% Nitrog	en		Gas Gra	avity -	G,	
Annulus Vertical D)					Pre	essure T	aps					•	Run) (P	rover) Size	
Pressure	Buildur		Shut in	5-21	0 2	Ка 1	2:15	/A.N.A.\	<u>~</u>	Takan m	1-21	20	16	2" 2:15	<u> </u>	(AM) (PM)	
Well on L												20				. ,	
							OBSERV	'ED SUI	RFACE	DATA			Durat	tion of Shut-i	in	Hours	
Static / Oynamic Property	Dynamic Size		e Prover Pres		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	emperature Temperature		,) or (P,	Pressure	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)			Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			poig (i iii	<u>'</u>	maries 11 ₂ 0			12	-	psia	psig	psia					
Flow																	
		_				,	FLOW ST	REAM .	ATTRI	BUTES							
Plate Coeffiec (F _b) (F Mcfd	ient		Circle one: Meter or over Pressure psia		Press Extension ✓ P _m x h	Grav Fact F _c	tor	Flowi Tempera Facto F _{ft}	ature or	Fa	iation ctor ; _{pv}	Metered Flo R (Mcfd)	w	GOR (Cubic Fed Barrel)	et/	Flowing Fluid Gravity G _m	
										_[
(P _c) ² =		_:	(P_,)²	=	.:	(OPEN FLO	OW) (DELI	IVERAB _%	•	CALCUL - 14.4) +		;		(P _a) ² (P _d) ²	²= 0.2 ²=	207	
(P _c) ² - (F	P _a) ²	(P	P _o) ² - (P _w) ²	2	ose formula 1 or 2. 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ led by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	B:	ackpres Slop Ass	ssure Curve e = "n" or signed ard Slope	n x l	.og [Antilog	O _i Del Equals	pen Flow liverability s R x Antilog (Mcfd)	
							_										
Open Flor	<u></u>				Mcfd @ 14.	65 neia		Deli	iverabi	ilitur			Mofd	@ 14.65 psi	<u> </u>		
•			d =		•	· ·	4-4 0 -					L		•			
			•						•		o make th day of <u>A</u>	e above repo pril	ort and	ithat he ha		•	
ui u iacis S	iaigu ifi	etell	ा, बाध (विदेश	oal()	report is true		Receive			Bear	\sim	laum I	1(•	<u></u> .	
		h	Witness	(if any	n 		PRESENTION		SION _	Jon	1010	Ters	Company	,			
· •			For Com	misslo	n	CONSE	RVATION E	DIVISION	<u>.</u> 	-2	2.1	Che	cked by				
						,	WICHITA, K	S	4	- X	J-/.	ン					

exempt s	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Bear Petroleum LLC the foregoing pressure information and statements contained on this application form are true and
of equipr	o the best of my knowledge and belief based upon available production summaries and lease records ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the Nuckolls B #1-15
gas 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 ther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
Date: <u>4-</u>	-20-15
	Received KANSAS CORPORATION COMMISSION Signature:
	CONSERVATION DIVISION
	WICHITA, KS

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.