KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flo	w	J.I.E	. 0			ctions on Re	verse Side		N- 45	. 120.			
✓ De	liverab	ilty			Test Date 08/13/20					No. 15 -20698 -	000			
Company Petroleu		velo	pment Corp		***		Lease Brunsw	rig			24-5	Well N	umber	
County Location Cheyenne SESW			on	Section 5				RNG (E/ 41W	W)		Acres 560	Attributed		
Field Cherry Creek				Reservoir Niobrara			Gas Gathering Connection PDC Eureka Gathering							
Completion Date 03/26/2007					Plug Back Total Depth 1617'			Packer Set at n/a						
Casing Size Weight 4.5" 10.5#				Internal [4"	Diameter		Set at 1633'		Perforations 1489'		то 1501'			
Tubing Si 2.375"	Tubing Size Weight 2.375" 4.75#				Internal [2"	Diameter		Set at Perforations 1525'		ations	То			
Type Completion (Describe) N2 Fracture				Type Flui Brine V	on	Pump Unit or Traveling Plung Yes, PU			Plunger? Yes	/ No				
Producing	-	(Anr	nulus / Tubing)	% C	Carbon Diox	kide	% Nitrogen <1%			Gas G	Gas Gravity - G _e		
Vertical D		l)			- 7 -	Pre	ssure Taps				(Meter	Run) (F	Prover) Size	
Pressure	Buildu	p: :	Shut in08/1	3 2	09 at 1	1:57pm	_ (AM) (PM)	Taken_08	3/14	20	09 at 12:10	pm	(AM) (PM)	
Well on Li	ine:		Started	2	0 at		_ (AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSERV	ED SURFAC	E DATA			Duration of Shu	t-in 24	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressui psig (Pm)	Pressure Differential re in Inches H ₂ 0	Flowing Well He Temperature Temperat		d Casing Wellhead Pressure		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia				id Produced (Barrels)	
Shut-In			F	2			65	psia	psig	psia				
Flow								_						
			·			FLOW ST	REAM ATTR	HBUTES					1	
Plate Coeffiecient (F _b) (F _p) Mcfd		Gircle one: Meter or Prover Pressure psia		Press Extension P _m x h	Gravity Factor F _o		Flowing Temperature Factor F _{II}	Fa	iation ctor _{pv}	Metered Flov R (Mcfd)	V GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G _m	
									47.01.0					
(P _c) ² =			(P _w) ² =_		(OPEN FLI		VERABILITY % (I) CALCUL P _c - 14.4) +		:	•	$()^2 = 0.5$ $()^2 =$	207	
(P _c) ² - (F or (P _c) ² - (F	P _d) ²	_ · (P	(P _w) ² - (P _w) ²	Choose formula 1 or 2. 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ Iivided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpre Slo	essure Curve pe = "n" - or signed lard Slope	n x l	og [Antilog	O De	pen Flow liverability s R x Antilog (Mcfd)	
													:	
Open Flow Mcfd @ 14.65 psia					Deliverat	eliverability Mcfd @ 14.65 psia								
·		~~~	d authority on		•	states that			o mako th		rt and that he h		vledge of	
		_	-	benair or the id report is true					day of A		nt and that he i		20 <u>09</u> .	
			Witness (if	any)			-	N	well		Company	RE	CEIVE	
			For Commi				-				cked by	-AU	G 2 0 20	

I declare under penalty of perjury under the laws of the state of Kansas that I an exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Develor and that the foregoing pressure information and statements contained on this applic correct to the best of my knowledge and belief based upon available production summ of equipment installation and/or upon type of completion or upon use being made of the I hereby request a one-year exemption from open flow testing for the Brunswig 24 gas well on the grounds that said well:	pment Corp eation form are true and earies and lease records gas well herein named.
(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 undergoi is on vacuum at the present time; KCC approval Docket No.	ng ER
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 document	s deemed by Commission
staff as necessary to corroborate this claim for exemption from testing.	
Date: 08/19/2009	RECEIVED AUG 2 0 2009
-	KCC WICHIT
Title: Mrea Spanus	

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.