KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				((See Instruc	ctions on Re	verse Side	e)			
	oen Flo eliveral				Test Date				AP	I No. 15	n= 00	
Company					1-20-1	2	Lease		07	1-20168 - 0		Well Number
		pera	ting, Inc.	· · · · · · · · · · · · · · · · · · ·			Brunswi	g "A"			11	wen Number
•		Locat NW SE		Section 35		TWP 16S		RNG (E/W) 40W			Acres Attributed 640	
Field N. Byerly			Reservoi			Gas Gathering Co DCP Midstre			ction			
Completion 7-19-79	on Da	te			Plug Bac 2990'	k Total Dep	th		Packer	Set at		
Casing Size 4-1/2"		Weight 10.5		Internal Diameter 4.052		Set at 3018'		Perforations 2952'		то 2964 '		
Tubing Size 2-3/8"			Weigh 4.7	t	Internal [2.000	Diameter	Set at 2968'		Perforations		То	
Type Cor Single -			escribe)		Type Flui Water	d Productio	n			nit or Traveling I unit - Rod	Plunger? Yes	/ No
Producing Annulus		(Anı	nulus / Tubin	9)	% C	Carbon Diox	ide	•••	% Nitrog	gen	Gas G	avity - G _g
Vertical D	Depth(I	H)			 	Pres Flan	sure Taps				(Meter	Run) (Prover) Size
Pressure	Buildu	ıb:	Shut in	1-19 ₂	0/2at/			 Taken	1-20	20/	2 at 10:0	O (AM) (PM)
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20 _	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA		. [Ouration of Shut-	in <u>24</u> Hours
Static / Dynamic Property	Orif Siz (inch	ZO O	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H _o 0	Flowing Temperature t	Well Head Temperature t	Wellhead I (P _w) or (P	Pressure	Wellhe	Tubing ead Pressure or (P ₁) or (P _c) psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	.50	00					pang	86	paig	pala	24	
Flow									<u></u>			
						FLOW STF	REAM ATTRI	BUTES			· 	
Plate Coefficeient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or ver Pressure psia	Press Extension √ P _m x h	Grav Fact F _s	· .	Temperature I		iation ctor _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity
										<u> </u>		
(P _o)² =		_:	(P _w) ² =	<u></u> :	(OPEN FLO		ERABILITY)	CALCUL - 14.4) +		:	(P _a)	² = 0.207 ² =
(P _c) ² - (F	•	(P	_c)²- (P _w)²	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2, and divide	P _c ² - P _w ²	Backpres Slop Ass	sure Curve e = "n" origned ird Slope	0. x	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flov	<u> </u>			Mcfd @ 14.6	35 psia		Deliverabi	lity		М	cfd @ 14.65 psi	a
				behalf of the				1	make the	ne above report	and that he ha	s knowledge of, 20 <u>/2</u> .
			Witness (if	any)				Ja	nicl) Rip For Con	ley_npany()	RECEIVE
	_,,		For Commi	ssion				<i>U</i>		Checke	ed by	MAR 2 8 20

	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request us under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
and that the	foregoing pressure information and statements contained on this application form are true and
correct to th	e best of my knowledge and belief based upon available production summaries and lease records
• •	nt installation and/or upon type of completion or upon use being made of the gas well herein named. Trequest a one-year exemption from open flow testing for the Brunswig "A" #1
	the grounds that said well:
(0	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 further	agree to supply to the best of my ability any and all supporting documents deemed by Commissi
staff as nece	essary to corroborate this claim for exemption from testing.
Date: <u>3-6</u>	16-12
	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.