KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruct	tions on Re	verse Side)			
Open Flow				Took Date	Test Date: API No. 15							
I (I Dolivershilter				01/16/2012				API No. 15 023-20698-00-00				
Company		eve	lopment Co	orp			Lease Brunsv	/ig			24-5	Well Number
County Cheyenne			Location NESESW		Section 5		TWP 2S		RNG (E/W) 41W		Acres Attributed 160	
Field Cherry	Cree	k				Reservoir Niobrara			Gas Gathering Conr PDC Eureka Ga			
Completion Date 03/26/2007					Plug Back Total Depth 1617'		th		Packer Set at n/a			
Casing Size 4.5"			Weight 10.5#		Internal Diameter 4"		Set at 1633'		Perforations 1489'		To 1501'	
Tubing Size 2.375"			Weight 4.75#		Internal Diameter 2"		Set at 1529'		Perforations		То	
Type Cor N2 Frac		n (D	escribe)		Type Flui Brine V	d Production Vater	n		Pump Ur Yes, F		Plunger? Yes	/ No
Producing Thru (Annulus / Tubing) Annulus				% C <1%	arbon Dioxi	de		% Nitrogen <1%		Gas Gravity - G _g		
Vertical D	epth(F	1)				Pres	sure Taps				(Meter F	Run) (Prover) Size
Pressure	Buildu	p:	Shut in	6 2	0 12 at 1	1:30am	(AM) (PM)	Taken_01	1/17	20	12 _{at} 11:45a	m (AM) (PM)
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFAC	DATA			Duration of Shut-	n 24 Hours
Static / Dynamic Property	Orifi Siz (inch	8	Circle end. Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P _w) or (P	Pressure	Wellhe	ubing ad Pressure (P ₁) or (P ₂)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In				<u> </u>			55	hard	parg	psia		
Flow				<u> </u>								
			Circle one:		1	FLOW STR	EAM ATTR	BUTES			 	
Plate Coefficient (F _b) (F _p) Mcfd		Pro	Meter or over Pressure psia	Press Extension Pmxh	Grav Fact	tor T	Flowing Temperature Factor F ₁		iation ctor ev	Metered Flow R (Mcfd)	GOR (Cubic Fed Barrel)	Flowing Fluid Gravity G.,
<u> </u>				1+1				ļ				
(P _c) ² =		:	(P _*) ² =_	:	(OPEN FL	OW) (DELIV		CALCUL '- 14.4) +		:	(P _a) ² (P _d) ³	= 0.207
(P _e)2 - (I	_	(F		1. P ₂ ² · P ₂ ² 2. P ₂ ² - P ₃ ²	······································		Backpre	ssure Curve e = "n"		.og	Antilog	Open Flow Deliverability
(P _e)² - (I	P _a) ²		ď	vided by: P. 2. P.	and divide	P _e ² -P _* ²		signed ard Slope		LJ		Equals R x Antilog (Mcfd)
Open Flow			Mcfd ∅ 14.65 psia				Deliverability		Mcfd @ 14.65 psia		a	
The	unders	igne	d authority, on	behalf of the	Company, s	tates that h	e is duly au	thorized to	o make th	e above repor	t and that he ha	s knowledge of
the facts s	tated t	herei	n, and that sai	d report is true	and correc	t. Executed	this the 17		day of A	pril	$\overline{}$, 20 12 .
			h) coantiW	any)					Jua	eth FOICE	When the same	RECEIVED
			For Commit	cion			_		· · · · · · · · · · · · · · · · · · ·	Chec	kod by	APR 2-4-201

exempt status und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corpoing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records
	ulation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the Brunswig 24-5
	ounds that said well:
<u>-</u>	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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
	Signature: Judith Fruitt Title: Sr. Engineering Tech

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.