## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			6	See Instru	ictions on Rev	erse Side)	•				
Open Flow				Toot Date	Test Date: API No. 15							
✓ Deliverability				01/18/2012				023-20302				
Company Petroleum Development Corp					Lease Brunswig 315				Well Number 7-12-3			
County Cheyen	County Location Cheyenne NWNWSW			Section 7		TWP 2S			RNG (E/W) 41W		Acres Attributed 160	
Field			Reservoir Niobrar					hering Conne Lureka Gatt				
Completion Date 01/29/1991			Plug Bac 1659'	k Total De	epth	Packer Set at n/a		et at				
Casing Si 4.5"	Casing Size Weight			Internal E 4"	Diameter		Set at 1699'		rations 2'	To 1566'		
	ubing Size Weight			Internal C	Diameter		Set at 5 1580'		Perforations		То	
			Type Flui	Type Fluid Production Brine Water			Pump Ur Yes, P	Plunger? Yes	/ No			
Producing Thru (Annulus / Tubing)					arbon Dic	oxide	<del>_</del>			Gas Gravity - G		
Annulus				<1%				<1%				
Vertical D 1722'	epth(H)				Pre	essure Taps				(Meter F	Run) (Prover) Size	
Pressure	Buildup:	Shut in _01/	18 2	o_12_at_9	:15am	(AM) (PM)	Taken 01	/19	20	12 <sub>at</sub> 9:20an	n (AM) (PM)	
Well on L	ine:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
					OBSER	VED SURFACE				Duration of Shut-	in 24 Hours	
Static / Dynamic Property	Orlfice Size (inches) Prover Pressure psig (Pm) Inches H <sub>2</sub> 0		Flowing Well Head Temperature t t		d Wellhead F (P <sub>w</sub> ) or (P <sub>1</sub>	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>0</sub> )		fubing ad Pressure r (P <sub>r</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In		pary (r m)	mones 11 <sub>2</sub> 5			psig 95	psia	psig	psia			
Flow												
					FLOW S	TREAM ATTRI	BUTES	ī				
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or rover Pressure psia  Press Extension Pmxh		Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F.,	Temperature Fac		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_m	
		·							+			
				•		IVERABILITY)					² = 0.207	
(P <sub>c</sub> ) <sup>2</sup> =	<del></del> :	(P <sub>*</sub> ) <sup>2</sup> =	Choose formula 1 or 2	P <sub>d</sub> =			<u>- 14.4) +</u>	14.4 =	<del></del> :	(P <sub>d</sub> )	/ =	
$(P_a)^2 \cdot (P_a)^2$ or $(P_a)^2 \cdot (P_a)^2$		(P <sub>e</sub> ) <sup>2</sup> -(P <sub>w</sub> ) <sup>2</sup> 1. P <sub>e</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> 2. P <sub>e</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide	formula 1. or 2. and divide p2. p2		Backpressure Curve Slope = "n" Assigned Standard Slope		LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	$\dashv$		divided by: Pc2-Pw	by:	<u></u>	Siands	ing SIGN8				,,	
Open Flow Mcfd © 14.65 psi				65 psia	psia Deliverability			Mcfd @ 14.65 psia				
The	undersign	ed authority, o	n behalf of the	Company,	states tha	the is duly au	thorized to	o make th	ne above repo	rt and that he ha	as knowledge of	
he facts s	tated the	rein, and that s	aid report is tru-	e and correc	t. Execut	ed this the 17	·	day of A	. 0	$\overline{\Omega}$ :	PRECEIVE	
		Witness (	if any)		·•			fud	ITK For (	Company	APR 2 4 2	
		For Corns	nission				U		Cho	cked by	KCC WICH	

exempt status und and that the foreg correct to the best of equipment insta	per penalty of perjury under the laws of the state of Kansas that I am authorized to request the Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corparing 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 allation and/or upon type of completion or upon use being made of the gas well herein named. Brunswig 7-12-3 bounds 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  to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: <u>04/17/2012</u>	Signature: Judith Print  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.