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

Type Test				-	(	See Instruc	tions on Rev	erse Side	p)				
☐ Open Flow  Test  Deliverability  01/						e: 012				I No. 15 3-20286 <b>- c</b>	∞-00		
Company Petroleum Development Corp							Lease Brunswig				Well Number 7-6-1		
County Location Cheyenne SESENW				Section 7		TWP 2S		RNG (E/W) 41W		Acres Attributed			
Field F				Reservoi Niobra			Gas Gathering Conn PDC Eureka Gat		ection				
Completion Date Plug Ba 10/30/1990 1673'						k Total Dep	th		Packer S	Set at	···· - · · · · · · · · · · · · · · · ·		
Casing Size Weight 4.5" 10.5#					Internal [ 4"	Diameter	Set at 1707'		Perforations 1518'		т <sub>о</sub> 1550'		
Tubing Size 2.375"			Weight 4.75#		Internal Diameter 2"		Set at 1545'		Perforations		То		
Type Completion (Describe) Typ						Type Fluid Production Pump Unit or Trave Brine Water Yes, PU					ing Plunger? Yes / No		
						arbon Dioxi	oxide %			jen	Gas Gr	Gas Gravity - G <sub>g</sub>	
Vertical D		1)			- 170	Pres	sure Taps		<1%		(Meter f	Run) (Prover) Size	
Pressure	Buildu	p: :	Shut in 01/	18 2	0_12 <sub>at</sub> 9	:45am	(AM) (PM)	Taken 01	1/19		12 <sub>at</sub> 10:00a	om (AM) (PM)	
Well on L												(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in_24 Hours	
Static / Dynamic Property	ic Size		Circle one. Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P <sub>a</sub> ) or (P <sub>1</sub> ) or (P <sub>0</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>0</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-in							75	psia	paig	psia			
Flow													
					·   · · · · · · · · · · · · · · · · · ·	FLOW STR	EAM ATTRI	BUTES				<del></del> 1	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P <sub>m</sub> xh	Grav Fact F <sub>c</sub>	tor	emperature Fac		iation ctor	Metered Flow R (Mcfd)	(Cubic Fe Barrel)	Flowing Fluid Gravity G_,	
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS				
(P <sub>c</sub> )² =		_:	(P <sub>w</sub> )² =	:	, P <sub>a</sub> =		•	- 14.4) +		<u></u> :	(P <sub>a</sub> ) <sup>(</sup>	2 = 0.207 2 =	
$(P_e)^2 - (P_a)^2$ or $(P_e)^2 - (P_a)^2$		(P <sub>e</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2  1. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> division by: P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1 or 2.	P.2- P.2	Slop	sure Curve e = "n" or igned ird Slope	n x	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow				65 neia	5 psia		Deliverability			Mold @ 14 65 pei	Icid @ 14.65 psia		
<del></del>		gned	f authority, on		·	states that h		-	o make ti		rt and that he ha		
				id report is true					day of A		, and marino ma	, 20 <u>12</u>	
			Wilness (if	any)			<del></del>	$-\zeta$	lud	ith !	Leut	Z RECEI	
				···				0	· · · · · · · · · · · · · · · · · · ·		to dhi	APR 2	
			For Commi	-io-FUI I						Chec	ked by		

exempt status un and that the fore correct to the bes of equipment ins I hereby requ	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corpagoing pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records tallation and/or upon type of completion or upon use being made of the gas well herein named. Lest a one-year exemption from open flow testing for the Brunswig 7-6-1 rounds that said well:
∫ √ I further agre	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 see to supply to the best of my ability any and all supporting documents deemed by Commission my to corroborate this claim for exemption from testing.
Date: <u>04/17/201</u>	Signature: Judith Vhuitt  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.