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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(See Instruc	ctions on Re	verse Side	·)				
	en Flo liverab			,	Test Date 02/22/20				API 02:	No. 15 3-20287 —	0000		
Company				•	02,22,2		Lease				· V	Vell Number	
Petroleum Development Corp County Location			Section	Section TWP			RNG (E	/W)	7-2-2 Acres Attributed				
Cheyenne			NWNV		7		2S	41W		<i>,</i>	160		
Field Cherry					Reservoir Niobra					thering Conn Eureka Gat			
Completic 11/01/1		е			Plug Bac 1635'	k Total Dep	oth	•	Packer s n/a	Set at			
Casing Size 4.5"			Weigh 10.5#		Internal Diameter 4"			Set at 1679'		rations 4'	то 1548'		
Tubing Size 2.375"			Weight 4.75#		Internal Diameter 2"		Set at 1573'		Perforations		То		
Type Con N2 Frac	•	ı (De		:	Type Flui Brine V	d Production Vater			Pump U Yes, F	nit or Traveling	Plunger? Yes	/ No	
Producing	g Thru	(Anı	nulus / Tubing	9)	% C	arbon Diox	ride		% Nitrog		Gas Gra	avity - G _g	
Annulus Vertical D		1)			<1%	Pres	ssure Taps		<1%		(Meter F	Run) (Prover) Size	
1749'	, opini(i					110.	osure rapo				(Wicker 1	1411) (1 10401) 0120	
Pressure	Buildu	p: -	Shut in02/	22 2	20_11_at_9	:39am	(AM) (PM)	Taken_02	2/23	20	11 _{at} 10:00a	m(AM) (PM)	
Well on L	ine:		Started	2	20 at		(AM) (PM)	Taken	· · · · · · · · · · · · · · · · · · ·	20	at	(AM) (PM)	
						OBSERV	ED SURFAC	E DATA			Duration of Shut-i	n_24Hours	
Static / Orific			Circle one: Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Mallhaad	Casing Wellhead Pressure		Tubing ead Pressure	Duration	Liquid Produced	
Property	(inch		Prover Pressu psig (Pm)	rover Pressure in		1 ' 1 (1) (2)		(P_t) or (P_c) (P_w) or (P_t) or (P_c) psia psig psia			(Hours)	(Barrels)	
Shut-In							100						
Flow													
	··			· · · · · · · · · · · · · · · · · · ·		FLOW ST	REAM ATTR	IBUTES				<u> </u>	
Plate Coeffied	ient	-	Circle one: Meter or	Press Extension	1	Gravity Flowing Deviation Metered Flow GOR Factor Factor R (Cubic Feet		Flowing Fluid					
(F _b) (F Mcfd		Pro	ver Pressure psia	✓ P _m xh	F		Factor F _{ft}	F	pv	(Mcfd)	Barrel)	Gravity G _m	
			·				•						
(5.12			(D. 10	•	•	, ,	VERABILITY	•				= 0.207	
(P _c) ² =	· · · · · · · · · · · · · · · · · · ·	:_	(P _w) ² =	Choose formula 1 or 2	$P_d =$			2 _c - 14.4) +		:	(P _d) ²		
(P _c) ² - (I	P ₈)2	(F	P _c) ² - (P _w) ²	1. P _c ² -P _a ²	LOG of formula		Slo	ssure Curve pe = "n" - or	n x	LOG	Antilog	Open Flow Deliverability	
(P _c) ² - (F	² _d)²			· 2. $P_c^2 - P_d^2$	1. or 2. and divide by:	P _c ² - P _w ²	As	signed ard Slope			J	Equals R x Antilog (Mcfd)	
				,									
ļ													
Open Flow Mcfd @ 14.65				.65 psia	5 psia Deliverabi			ity Mcfd @ 14.65			3		
		•	•				•			•	ort and that he has		
the facts s	tated ti	nerei	n, and that sa	aid report is tru	e and correc	t. Executed	d this the 2	7	day of _	uiy		, 20	
			Witness (i	f any)			-	Ty	C	For C	Company	RECEIVED	
		-,	For Comm	ission			-			Chec	cked by .	AUG 0 2 201	

	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request of status under Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corp
	nat the foregoing pressure information and statements contained on this application form are true and
correc	t to the best of my knowledge and belief based upon available production summaries and lease records
-	ipment installation and/or upon type of completion or upon use being made of the gas well herein named. nereby request a one-year exemption from open flow testing for the Brunswig 7-2-2
	ell on the grounds that said well:
	(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 urther agree to supply to the best of my ability any and all supporting documents deemed by Commissis necessary to corroborate this claim for exemption from testing.
Date: ₋	07/27/2011
	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.

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KCC WICHITA