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

Type Test	t:				(	See Instruc	tions on Rev	erse Side	)			
Op	en Flo	w			T . D .				4.51	<b>.</b>	_	
✓ De	liverat	oilty			Test Date 03/14/20					No. 15 3-20329 —	0000	
Company		eve	elopment Co	orp		,	Lease Reib Tri	ust	· · · · · · · · · · · · · · · · · · ·		21-8-1	Vell Number
County Cheyenne			Location NESENE		Section 21		TWP 3S		RNG (E/W) 42W		Acres Attributed 160	
Field Cherry	Cree	k			Reservoir Niobrar					nering Connectiones Thro	ection ow Gathering	
Completion 11/06/1		te	· ·		Plug Bac 1650'	k Total Dept	h		Packer S n/a	et at		
Casing Size 4.5"			Weight 10.5#		Internal Diameter 4"		Set at 1689'		Perforations 1561'		то 1571'	
Tubing Size 2.375"			Weight 4.75#		Internal Diameter 2"		Set at 1599'		Perforations		То	
Type Con N2 Frac		n (D	escribe)		Type Flui Brine V	d Production <b>Vater</b>	1		Pump Ur Yes, P		Plunger? Yes	/ No
Producing Thru (Annulus / Tubing) Annulus		)	% C <1%	arbon Dioxi	de	% Nitrogen <1%		en	Gas Gravity - G			
Vertical D	epth(l	<del>1</del> )				Pres	sure Taps				(Meter F	lun) (Prover) Size
Pressure	Buildu	ıp:	Shut in <u>03/1</u>	4 2	0_11_at_1	0:30am	(AM) (PM)	Taken_03	3/15	20	11 <sub>at</sub> 10:40a	m (AM) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-i	n 24 Hours
Static / Dynamic Property	Orifi Siz (Inch	:ө	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature I	Casir Wellhead P (P <sub>w</sub> ) or (P <sub>t</sub>	ressure	Wellhe	ubing ad Pressure (P <sub>t</sub> ) or (P <sub>q</sub> ) psia	Ouration (Hours)	Liquid Produced (Barrels)
Shut-In							110	рыа	parg	psia		
Flow												
						FLOW STR	EAM ATTRI	BUTES	<sub> </sub>		<u> </u>	
Plate Coeffiect (F <sub>b</sub> ) (F Mcfd	ient <sub>p</sub> )	Pro	Circle one: Meter or over Pressure psla	Press Extension P <sub>m</sub> x h	Grav Fact F	tor 1	Flowing Femperature Factor F <sub>rt</sub>	Fa	ation ctor	Metered Flov R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G_m
<u></u>												
(P <sub>c</sub> ) <sup>2</sup> =		:	(P) <sup>2</sup> =	:	(OPEN FLO		ERABILITY) % (P		ATIONS 14.4 =	:	(P <sub>a</sub> )² (P <sub>d</sub> )²	= 0.207 =
(P <sub>a</sub> ) <sup>2</sup> - (F	•	(F	P <sub>e</sub> ) <sup>2</sup> · (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup> vided by: P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpress Slope 	sure Curve =="n" or gned rd Slope	nxl	<u> </u>	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
					_							
Open Flor	l w			Mcfd @ 14.	65 psia		Deliverabil	itv			Mcfd @ 14.65 psia	,
··········		inner	d authority on			tates that h			make th	•	rt and that he has	
			n, and that sai						day of _Ju	ıly	Trans that he has	, 20 <u>2011</u> .
<del></del>			Witness (if	any)			_	Ty	fl.	Ford	R	RECEIVED_
			For Commis	slon						Chec	ked by	UG-0-2-2011-

	under penalty of perjury under the laws of the state of Kansas that I am authorized to request sunder Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corp
and that the correct to the of equipmen	foregoing pressure information and statements contained on this application form are true and best of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. request a one-year exemption from open flow testing for the Reib Trust 21-8-1
gas well on t	he grounds that said well:
(4	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
	agree to supply to the best of my ability any and all supporting documents deemed by Commissions sary to corroborate this claim for exemption from testing.
Date: <u>07/13</u>	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.

RECEIVED

AUG 0 2 2011

KCC WICHITA