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

F ... 3

Type Tes						(See Instruc	tions on Re	verse Side	9)				
✓ Open Flow  □ Deliverability			Test Date: 7/9/2014				API No. 15 15-033-21431 <b>0003</b>						
Company		Оре	rating, L.L.0	 C.	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	Lease Diane				V	Vell Number -9	
County Comanche			Locat 1470 FS	 ion SL & 1320 FEL	Section 09		TWP 35S		RNG (E/W) 16W		Acres Attributed 640		
Field Yellows	stone	)			Reservoi Mississ				Gas Ga Atlas	thering Conn	ection		
Completi 07/07/2		te			Plug Bac 5,551	k Total Dep	th		Packer N/A	Set at			
Casing S 4.5	ize	Weight 11.6			Internal Diameter 4.00		Set at 5582		Perforations 5202		то 5371		
Tubing Size 2.375			Weigl 4.7	nt	Internal Diameter 1.95		Set at 5516		Perforations		То		
Type Cor Single		n (D	escribe)	- <u>-</u>	Type Flui Oil & V	id Production <b>Vater</b>	n		Pump U Pump		Plunger? Yes	/ No	
Producing Annulus			nulus / Tubin 1g	g)	% (	Carbon Dioxi	de		% Nitro	gen	Gas Gra	vity - G <sub>g</sub>	
Vertical E	Depth()	H)				Pres Flan	sure Taps ge				(Meter F	un) (Prover) Size	
Pressure	Buildu	ıp:	Shut in 7/8		20 <u>14</u> at 8	:00	(AM) (PM)	Taken_7/	9	20	14 <sub>at</sub> 8:00	(AM) (PM)	
Well on L	.ine:		Started	2	20 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shut-in	24 Hours	
Static / Dynamic Property	Orif Sia (inch	:0	Circle one: Meter Prover Press psig (Pm)	Pressure Differential ure in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P <sub>w</sub> ) or (F	Pressure	Wellhe	Tubing ead Pressure or $(P_i)$ or $(P_c)$	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			, - , -				220	234.4	425	439.4	24		
Flow													
- Division			Circle one:		ſ	FLOW STR	EAM ATTR	BUTES					
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ent ,)	Pro	Meter or over Pressure psia	Press Extension Pmxh	Grav Fac F	tor T	Flowing Femperature Factor F <sub>rt</sub>	Fa	iation ctor : PY	Metered Flow R (Mcfd)	v GOR (Cubic Fee Barrel)	Flowing   Fluid Gravity G <sub>m</sub>	
(D.)3			(m. )0		•	OW) (DELIV		•				= 0.207	
(P <sub>c</sub> )² =		_:	(P <sub>w</sub> )*=	Choose formula 1 or 2	P <sub>d</sub> =	<del></del>		P <sub>c</sub> - 14.4) +	14.4 = _	<del></del> :	(P <sub>d</sub> ) <sup>2</sup>	<u> </u>	
(P <sub>o</sub> )²- (F or (P <sub>o</sub> )²- (F	· [	(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	<ol> <li>P<sub>c</sub><sup>2</sup> - P<sub>a</sub><sup>2</sup></li> <li>P<sub>c</sub><sup>2</sup> - P<sub>d</sub><sup>2</sup></li> <li>divided by: P<sub>c</sub><sup>2</sup> - P<sub>w</sub></li> </ol>	LOG of formula 1. or 2. and divide by:	P,2 - P,2	Slop	ssure Curve pe = "n" - or signed ard Slope	nx	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
							<u> </u>		_				
Open Flor				Mcfd @ 14.	.65 psia		Deliverab	ility			Mcfd @ 14.65 psia		
		igned	d authority, o		•	tates that he		-	make th	-	rt and that he has	<del>_</del>	
				aid report is tru					_	_		, 20 15	
	<u></u>		Witness (	f any)	·		Received PORATION CO	MMISSION		For C	отрапу		
			For Comm				<b>129</b> 2	)15			ked by		
			, or contin	nodiur.						Unec	ineu by		

exempt status und and that the foreg correct to the best of equipment insta	er 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 Chesapeake Operating, L.L.C. going pressure information and statements contained on this application form are true and tof 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.
	est a one-year exemption from open flow testing for the Diane 1-9
gas well on the gr	ounds 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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: 5/11/2015	
Date. Or 172010	
	Received Signature: WWW WK WK WKANSAS CORPORATION COMMISSION  Title: Katie Wright, Regulatory Analyst  CONSERVATION DIVISION WICHITA, KS

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.