KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				((See Instruc	tions on R	everse Side	9)				
✓ Open Flow Deliverability				Test Date: 8/22/2014				API No. 15 15-075-20459 000					
Company		per	ating, L.L.C.		0/22/20	14	Lease Miller		10-0	773-20439-	2-23	Well Nu	ımber
County Location Hamilton 4000 FSL & 4000 FEL				Section 23		TWP 22S			W)			Attributed	
Field Bradshaw					Reservoir Winfield			Gas Gathering Connection OneOk Energy Services			KCC WICH JUN 05 2015 RECEIVED		
Completion Date 7/13/90				Plug Bac 2709	Plug Back Total Depth				Packer Set at			WIC!	
Casing Size Weight 4.5 10.5			Internal I 4.052	Diameter	Set at 2759		Perfor	rations	то 2714	REC	05 2015		
Tubing Si 2.375	Tubing Size Weight 2.375 4.7			-	Internal E 1.995	Diameter		Set at Perfor 2727		orations To			EIVED
Type Con Single ((De	escribe)		Type Flui Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes Pump Unit			/ No	
Producing		(Anı	nulus / Tubing)		% C	Carbon Dioxi	ide	-	% Nitrog	en	Gas G .750	ravity - (<u> </u>
Vertical E	epth(H)				Pres	sure Taps						rover) Size
Pressure	Buildup): !	Shut in 8/21	2	0_14_at_8	:00	(AM) (PM)	Taken 8/	22	20	14 at 8:00	((AM) (PM)
Well on L	ine:	;	Started		0 at		(AM) (PM)	Taken		20	at		(AM) (PM)
			Olaska zaza			OBSERVE	D SURFAC				Duration of Shut	-in_24	Hours
Static / Dynamic Property	Dynamic Siza		Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _q) psig psia		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration (Hours)		d Produced Barrels)
Shut-In							40	54.4	27	41.4	24		
Flow													
						FLOW STR	REAM ATTE	RIBUTES	- 				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m x h	Grav Fac	tor	Flowing Temperature Factor F _{it}		iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	eet/	Flowing Fluid Gravity G _m
				<u>_</u>	<u> </u>					<u>-</u>	_		
(P _c) ² =		_:	(P _w)² =_	:	(OPEN FLO	OW) (DELIV		/) CALCUL P _e - 14.4) +		;		i ² = 0.2	07
$(P_c)^2 - (P_a)^2$ or $(P_o)^2 - (P_d)^2$		(P _c)²- (P _w)²		1. $P_c^2 - P_d^2$ 2. $P_c^2 - P_d^2$ wided by: $P_c^2 - P_d^2$	LOG of formula 1. or 2. and divide p 2 p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow	
<u>.</u>	\dashv			<u>.</u>			<u> </u>						
Open Flow Mcfd @ 14.65				 65 psia	5 psia Deliver			erability Mr			cfd @ 14.65 psia		
			authority, on				=			-	t and that he ha		-
			Witness (if a	пу)	•					Far Co	отралу		
			For Commiss	lon		-				Check	ked by		

exempt status und and that the foreg correct to the best of equipment insta I hereby reque	der penalty of perjury under the laws of the state of Kansas that I am authorider Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, L. going pressure information and statements contained on this application for it of my knowledge and belief based upon available production summaries and aliation and/or upon type of completion or upon use being made of the gas well lest a one-year exemption from open flow testing for the Miller 2-23	L.C. m are true and d lease records
(Check □ □ □ □ ■ I further agree	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 te to supply to the best of my ability any and all supporting documents deement to corroborate this claim for exemption from testing.	KCC WICH! JUN 05 2015 RECEIVED ed by Commission
Date: <u>5/11/2015</u>	Signature: <u>Katie Wright, Regulatory Analyst</u>	

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.