KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t;						(See Instr	uctions on F	Reverse Si	de)								
	pen Fl	ow				Test Det	Test Date:				API No. 15							
i I Dolivorabiltu							12/23/2015				15-077-21599-00-00							
Compan Sandrid		cpl &	Prod LLC				Lease Bollman								Well Number 3-4			
County Location Harper SW-SW					Section 4		TWP 34S				0			Acres Attributed				
Field Eastham North							Reservoir Mississippian				Gas Gathering Connection Atlas							
					Plug Bac 4554	Plug Back Total Depth				Packer Set at				-				
Casing Size Weight 4.5" 11.6#					Diameter		Set at 4571'			Perforations 4506'				To 4514'				
Tubing Size Weigh!				Internal I	Internal Diameter Set at 1.996 4465'			Perforations				To To						
· · · · · · · · · · · · · · · · · · ·				Type Flui	Type Fluid Production				Pump Unit or Traveling Plunger				/ No					
single z		. /^-	outen / Tubi	n#\		water/		ulala.		yes				0 0	and the			
Producing Thru (Annulus / Tubing) Annulus					/a C	% Carbon Dioxide				% Nitrogen				Gas Gravity - G _g .69				
Vertical D	epth(H)					Pre	essure Taps						(Meter	Run) (F	rover) Size		
Pressure	Build	ıp;	Shut in 12	2-23		o_15 at_1	1AM	_ (AM) (PM)	Taken_1	2-24		20	15 at	11AM		(AM) (PM)		
Well on L	іпе:		Started		2	0 at		_ (AM) (PM)) Taken_			20	at	·		(AM) (PM)		
							OBSERV	ED SURFAC	E DATA			,	Duratio	n of Shut-	in	Hours		
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperatur I	perature (P _w) or (P ₁)		Wellhead (P _w) or (I		bling I Pressuro P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	t-In		psig (Pm)		mones ri _g o			120	134.7	psig	psig psia		24					
Flow											7				1			
							FLOW ST	REAM ATT	RIBUTES			l	,		.!			
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension Pmxh		Grav Fact F _e	or '	Flowing , Temperature Factor F _{II}		Deviation Factor F _{pv}		Mêtered Flow Fl (Mcfd)		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m		
	İ					(OPEN EL C	WY (DELIN	VERABILITY) CALCIII	ATIONS								
(P _p)² ≈		<u>-</u> :	(P _w) ²		:	P _d =			- 14.4) -			<u>:</u>		(P _a);	= 0.2 =	07 		
$(P_c)^2 - (P_s)^2$ or $(P_n)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Chaose formule 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$		LOG of formula 1. or 2. and divide by:		Slo	essure Curve pe = "n" - or signed ard Slope	n x		rod		Antilog		Open Flow Deliverability Equals R x Antilog (Mold)		
Open Flow			andharline a		Mcfd @ 14.6		atos that h	Deliverab		n male th				14.65 psi				
			•		shalf of the (eport is true					day of	ie a	pove repon	and tr	nat ne na:	s knowl	o		
								_		<u> </u>	2	- 5	_					
			Witness (K	<u>(CC</u> V	AICHI.	ra			For Co						
			For Corne	1155100	1		FER O	3 2916				Check	eo oy					

exempt status under and that the forego correct to the best o of equipment installant I hereby reques	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Sandridge Expl & Prod LLC ing pressure information and statements contained on this application form are true and f my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. It a one-year exemption from open flow testing for the Bollman 3-4
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Date: <u>Jan 28, 2016</u>	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, weilhead 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.