KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	en Flow				(Test Date		tructi	ons on Reve	erse Side,		No. 15				
De	liverabil	ty			12/29/20	014				15-1	115-20231 -	0000			
Company Shawma		Ga	s Co., Inc.					Lease Boettche	r A			\ #1	Vell Nu	mber	
County Location Marion SE/4 SE/4 SE/4				Section 11			TWP RNG (E/ 19S 4E			W)	,	Acres /	Attributed		
Field Antelope				Reservoir Mississippi Chat						nering Conn ar Oil & Gas	ection s - Antelope Pla				
Completion Date 2/24/1976				Plug Back Total Depth 2346			1		Packer S				_		
Casing Size Weight 4.5				Internal Diameter			Set at 2346		Perforations 2267		To 2283				
Tubing Size Weight 2.375					Internal Diameter			Set at 2266			rations	То			
Type Completion (Describe) single				Type Fluid Production					Pump Un Yes Pu	it or Traveling	ng Plunger? Yes / No				
Producing Thru (Annulus / Tubing)					arbon D	Dioxid	le		% Nitrog	<u>·</u>	Gas Gravity - G .7274				
Tubing Vertical Depth(H)				0.17 Pressure Taps					10.02			(Meter Run) (Prover) Size			
2267-2283				flange							2.067				
Pressure	Buildup	: 5	Shut in 12	29 2	o.14. at 초	.00.	<u>2m</u>	(AM) (PM) 1	Taken_12	129	20	14 at 2:00 p	m_	(AM) (PM)	
Well on L	ine:	;	Started _ \	30 20	0 14 at 2:	oo pi	<u>n</u>	(AM) (PM) 1	Taken	2/30		14 at 2.10p			
						OBSE	RVE	SURFACE	DATA			Duration of Shut-	in_2	4Hours	
Static / Dynamic Property	Size Prover Pro		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	rature Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			paig (i iii)	Inches H ₂ 0				Hosig psia		psig psia		24			
Flow							12				a4				
						FLOW	STR	EAM ATTRIE	UTES						
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Gravity Factor F _o		Te	Temperature Fa		viation Metered Flor actor R F _{pv} (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
(P _c) ² =			(P _w) ² =		(OPEN FL	OW) (DE	ELIVE %	RABILITY)	CALCUL, - 14.4) +			(P _a) [;] (P _d)	² = 0.2	107	
(P _c) ² - (P _e) ² or (P _c) ² - (P _d) ²		(P _c) ² - (P _w) ²		Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ tivided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:		Backpressure Cur Slope = "n"		sure Curve e = "n" or gned	nxl	og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flo	<u> </u>			Mcfd @ 14.	65 neis		—	Deliverabil	itv			Mcfd @ 14.65 psi	<u> </u>		
					<u> </u>				<u> </u>				-		
				behalf of the	,			•			e above repo ecember	ort and that he ha		ledge of 20 <u>14 .</u> .	
14510 0							D-	Ceived RATION COMM		, -: <u>-</u>	مريك	LP.	·	_ - •	
-			Witness (if	any)		ות	ב. 	3 1 2014			For	Company			
			For Comm	ssion		CONDE	- <u>-</u>	→ 1 ZUI4			Che	cked by			

exempt status under and that the foregoneric to the best of equipment insta	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Shawmar Oil & Gas Co., Incoing pressure information and statements contained on this application form are true and of 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. The set a one-year exemption from open flow testing for the Boettcher A #1
	ounds that said well:
(Check	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 to corroborate this claim for exemption from testing.
Date: 12/30/2014	
DE Conse	Received ORPORATION COMMISSION Title: President ERVATION 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.