KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t;			((Seé Instruci	tions on Rev	rerse Side)					
Open Flow				T4 D-t				400	Ma 15				
Deliverabilty				Test Date: 10/15/2015			API No. 15 15-081-20335-0001						
Company MERIT ENERGY COMPANY				Lease BRENNAN GAS			UNIT		2	Well Number			
County Location HASKELL 3300 FSL & 3300 FEL			Section 24		TWP 29S	, ,		W)	Acres Attributed 640				
Field LEMON			Reservoi MORRO				Gas Ga ONEO	thering Conn	ection				
Completion Date 12/22/1984			Plug Bac 5554	k Total Dept	th		Packer S	Set at					
Casing Size Weight 5.5 15.5				Internal [4.950	Diameter	Set at 5599		Perforations 5280		то 5372			
Tubing Size Weight 2.375 4.7			Internal [1.995	Diameter		Set at Perforation 5193		rations	s To				
Type Completion (Describe) SINGLE-GAS			Type Fluid Production WATER				Pump Unit or Traveling Plunger? YES - BEAM PUMP			/ No			
Producing Thru (Annulus / Tubing) TUBING			% Carbon Dioxide 0.2300%				% Nitrog	•	Gas Gravity - G _g				
Vertical Depth(H) 5326			Pressure Taps FLANGE							(Meter Run) (Prover) Size 3.068			
Pressure	Buildup:	Shut in	15 2	0_15 at_1	0:25AM	(AM) (PM)	Taken_10)/16	20	15 _{at} 10:25	AM .	(AM) (PM)	
Well on L	.ine:	Started	2	0 at	<u>. </u>	(AM) (PM)	Taken		20	at		(AM) (PM)	
					OBSERVE	D SURFACE	DATA			Duration of Shut	-in_24	Hours	
Static / Dynamic Property	Size	Orifice Circle one: Pressure Meter Differential Size (inches) Prover Pressure in psig (Pm) Inches H ₂ 0		Flowing Well Head Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_g)		Duration (Hours)	,	Liquid Produced (Barrels)	
Shut-In		psig (Fiii)	inches H ₂ 0			psig 23	psia	psig 23	psia	24			
Flow				<u> </u>									
<u> </u>				1	FLOW STR	EAM ATTRI	BUTES		<u> </u>			Τ	
Plate Coeffictient (F _b) (F _p) Mofd		Meter or Prover Pressure psia	over Pressure		Gravity Factor F _g		Flowing Deviation perature Factor F _{pv}		Metered Flo R (Mc(d)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
				(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P.) ² = 0.2	207	
(P _c) ² =		: (P _w) ² =	:	P₀⇒		% (P	<u>-</u> - 14.4) +	14.4 = _	:	(P _d			
$(P_c)^2 - (P_a)^2$ 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. $P_c^2 - P_d^2$ of wided by: $P_c^2 - P_w^2$		LOG of formula 1. or 2. and divide by: Pc Pw		Backpressure Curve Slope = "n" Assigned Standard Slope		n x LOG		Antilog	Del Equal:	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			, ,				****						
Open Flow Mcfd @ 14.		65 noin		Dollarant	Deliverability		Mcfd @ 14.65 psia						
										<u></u>			
	•	ned authority, on erein, and that sa		* -		•	_		ne above repo lovember	ort and that he h		ledge of 20 <u>15</u> .	
					Received			Me	rit Energy	Company			
	Witness (if any) KANSAS CORPORATION COMMI							ForCompany Katherine McClurkan					
		For Commi	ssion	DEC 0 2 2015				Checked by					

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Merit Energy Company and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Brennan Gas Unit 2									
gas well on the grounds that said well: (Check one) 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									
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.									
Date: November 31, 2015									
Signature: Katherine McClurkan Hollung MCLunkan Received KANSAS CORPORATION COMMISSION Title: Regulatory Analyst									
DEC 0 2 2015 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.