KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instructions on Reverse Side)									
Open Flow					Test Date:				A DI	No. 15				
Deliverabilty					03/16/2015					175-21169-(0002			
Company MERIT ENERGY COMPANY					Lease MARTENEY			NEY A		3	Well Number			
County Location SEWARD 660 FNL & 1980 FWL				Section 21		TWP 32S		RNG (E/W) 34W		Acres Attributed 640		attributed		
Field HOLT					Reservoir MORROW/CHESTER			Gas Gathering Connection DCP MIDSTREAM						
Completion Date 08/28/1991				Plug Bac 6094	Plug Back Total Depth 6094			Packer 8	Set at					
Casing Size Weight 5.5 15.5				Internal E 4.950	Internal Diameter 4.950		Set at 6397		rations 5	то 6012				
Tubing Si 2.375	ubing Size Weight 375 4.7			Internal E 1.995	Internal Diameter 1.995		Set at 6035		rations	То				
Type Completion (Describe) COMMINGLED-GAS				Type Fluid Production WATER			Pump Unit or Traveling Plunger? Yes / No YES - BEAM PUMP							
Producing Thru (Annulus / Tubing) ANNULUS				% C	arbon Dioxi	de	% Nitrogen 11.0077%			Gas Gravity - G _g 0.792				
Vertical Depth(H)						Pressure Taps					•		over) Size	
				FLANGE					3.068					
Pressure Buildup: Shut in 03/1			16 2	20 15 at 1	:30 PM	(AM) (PM)	Taken_03	¥17	20	15 at 1:30 P	<u>M</u> (AM) (PM)		
Well on L	.ine:		Started	2	:0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
			,			OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential re in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wellhead Pressure (P_w) or (P_l) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _a)		Duration (Hours)		d Produced Barrels)	
Shut-In	ut-In		poig (i iii)	mones ti ₂ s			22.0	psia	psig	psia	24			
Flow														
						FLOW STR	EAM ATTRI	BUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m x.h	ension Factor		Flowing Temperature Factor F ₁₁		iation etor :	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
						ļ. <u>.</u>							į	
(P _c) ² =			(P _w) ² =		(OPEN FLO	, ,	ERABILITY) % (P.	CALCUL - 14.4) +		•	(P _a) (P _d)	² = 0.2	07	
<u>(</u>		<u>- ·</u>		Choose formula 1 or 2			1	sure Curve			, a/	T	en Flow	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	°c)2 - (Pw)2	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$ divided by: $P_c^2 - P_w$	p 2 p 2 1, or 2, and divide p		Slope = "n"		n x LOG		Antilog	Deliverability Equals R x Antilog (Mcfd)		
				ovides by: Te Tw								,		
	1													
Open Flow Mcfd @ 14.			35 psia . I		Deliverabil	Deliverability		Mcfd @ 14.65 psia						
The i	undersi	gned	d authority, or	n behalf of the	Company, s	states that h	e is duly aut				ort and that he ha			
the facts s	tated ti	nerei	in, and that sa	aid report is tru	e and correc	t. Executed	this the 30	th	day of	lovember			₂₀ <u>15</u> .	
Militage of the annual					Received COMMISSION				Merit Energy Company ForCompany					
Witness (if any) - For Commission					KANS	KANSAS CORPORATION COMMISSION DEC 0 2 2015				Katherine McClurkan Checked by				
			FOLCOING			טבט ט	r rain			Olle	 ,			

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 Marteney A-3 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 mct/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 30, 2015
Received KANSAS CORPORATION COMMISSION DEC 0 2 2015 CONSERVATION DIVISION WICHITA, KS Katherine McClurkan Valuuri William Regulatory Analyst Regulatory Analyst

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.