Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Tes	pe Test: (See Instructions on Reverse Side)													
Open Flow				Test Date:				API No. 15						
Deliverabilty				07/02/2015					081-21927-	0000				
Company MERIT ENERGY COMPANY				Lease LONGBOTI			MAHTO			5	Well Number 5			
County Location HASKELL 330 FSL & 1070 FWI					Section 3				RNG (E	/W)	Acres Attributed 640		Attributed	
Field LOCKPORT					Reservoir ST LOUIS			Gas ON		thering Conn	ection			
Completion Date 02/11/2011					Plug Back Total Dept		th	Packer Set at		Set at	-			
Casing Size 5.5			Weigh 17.0		Internal Diameter 4.892		Set at 5688		Perforations 5552		то 5561			
Tubing Size 2.375			Weight 4.7		Internal Diameter 1,995		Set at 5612		Perforations		То			
Type Completion (Describe) SINGLE-GAS				Type Fluid Production WATER			Pump Unit or Traveling Plunger? Yes / No YES - BEAM PUMP							
Producing Thru (Annulus / Tubing)				% Carbon Dioxide			% Nitrogen			Gas Gravity - G				
ANNULUS				0.1460%			14.2940%			0.696				
Vertical Depth(H) 5557				<u>-</u>		Pressure Taps FLANGE				=	(Meter Run) (Prover) Size 3.068			
Pressure Buildup: Shut in 07/02)22	20 15 at 10:00 AM (AM) (PM) Taken 07/03					20	15 at 10:00	AM	(AM) (PM)		
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSERVE	D SURFACE	E DATA			Duration of Shut-	in 24	Hours	
Static / Oritice Dynamic Size Property (inches)		е	Circle one: Pressure Meter Differential Prover Pressure in psig (Pm) Inches H ₂ 0		Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Welihead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	Shut-In		paig (i iii) literation				psig 45.0	psia psig		psia	24	 		
Flow		_												
						FLOW STR	EAM ATTR	IBUTES			1		 	
Plate Coefficient (F _b) (F _p) Mcfd		Pro	Circle one: Pr Meter or Exte Prover Pressure psia		Gravity Factor F _g		Flowing emperature Factor F _I	Deviation Factor F _p ,		Metered Flor R (Mc(d)	GOR (Cutaic Feet/ Barrel)		Flowing Fluid Gravity G _m	
	[_						
(D. 12)			(5.12		'	OW) (DELIV	•					²= 0,2	07	
$(P_c)^2 =$	i	:	(P _w) ^c =	Chaosa formula 1 or 2	P _a =		T	° - 14.4) +	- 1	<u>:</u>	(P _d)	T		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		2.		1. $P_a^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LDG of formula 1, or 2, and divide by;	P _c ² - P _w ²	P _c ² -P _w ² Ass Standa		пх	LOG	Antilog	Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				- 							-			
				_										
Open Flo	w			Mcfd @ 14.	65 psia	psia <u>Deliverabil</u>			Mcfd @ 14.65 psia					
		•					•			•	ort and that he ha		ledge of 20 <u>15 .</u>	
the facts stated therein, and that said report is true						Received				Merit Energy Company				
Witness (il any)						KANSAS CORPORATION COMMISSION				For Company				
			ForComm	ssion		DEC 0 2 2015				Katherine McClurkan 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 Longbotham 5 gas well on the grounds that said well:
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 30, 2015
Received KANSAS CORPORATION COMMISSION DEC 0 2 2015 CONSERVATION DIVISION WICHITA, KS Signature: Katherine McClurkan Walhuwi McLlurkan Regulatory Analyst Title: 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.