KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: (See Instructions on Reverse Side)											
Open Flow			Total Date	Test Date:			۸.01	No. 15			
Deliverabilty			Test Date 02/01/20	02/01/2015				No. 15 189-21609-0	000		
Company MERIT E		Y COMPAN	Y		Lease RATCLIFF B				- <u>- ,</u>		Weli Number 2
County Location STEVENS 990' FSL & 1650' FWL				Section 18		TWP 33S		RNG (E/W) 37W		Acres Attributed 640	
Field . GENTZLER				Reservoir LOWER	MORROV	٧	1	Gas Gar APC	thering Conne	ection	
Completion Date 05/07/1994				Plug Bac 6084'	k Total Dept	h		Packer S NA	Set at		
Casing Size Weight 5.5 15.5			Internal D 4.95	Internal Diameter 4.95		Set at - 6270'		rations 6'	To 6050'		
Tubing Si 2.375	Tubing Size Weight 2.375 4.7			Internal E 1.995	Internal Diameter 1.995		Set at 6041'		rations	To NA	
Type Completion (Describe) SINGLE GAS					Type Fluid Production WATER			Pump Unit or Traveling Plunger? Yes / No YES			/ No
Producing		Annulus / Tubi	ing)	% C	% Carbon Dioxide				jen	avity - G _g	
Vertical Depth(H)				. ' 4 '	Pressure Taps FLANGE			: t		(Meter F	Run) (Prover) Size
Pressure Buildup: Shut in 02/01 20			20 15 at 9:	15 at 9:00 AM (AM) (PM) Taken C			/02	20	15 at 9:00 A	M(AM) (PM)	
Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM)											
		Circle and		1	OBSERVE	D SURFACE				Duration of Shut-	in 24 Hours
Static / Dynamic Property	Orific Size (inche:	e Meter	Differential in	Flowing Well Head Temperature Temperatu		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$ psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-In	.50					50	poid	p	- P0.44	24	
Flow							-				
	FLOW STREAM ATTRIBUTES										
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Extension Factor		Flowing emperature Factor F _{rt}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_m
			_								
				(OPEN FL	DW) (DELIVI	ERABILITY)	CALCUL	ATIONS		(P.)	² = 0.207
(P _c) ² =		: (P _w) ²	=:	P _d =	9	6 (P _c	- 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	1 P _c ² - P _d ² 2 P _c ² - P _d ² divided by: P _c ² - P	rmula t or 2: 2 - P 2 LOG of formula 2 - P 2 1, or 2. 2 and divide P 2.		Backpressure Curve Slope = "n" or Assigned Standard Slope		пх	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
				97							
Open Flow Mcfd @ 14.6			1.65 psia	5 psia		Deliverability		Mcfd @ 14.65 psia			
	_	•				-		N		t and that he ha	_
the facts st	tated the	erein, and that	said report is tru		Poc	aived		Jay OI	ovember	. 0	, 20 <u>15</u>
		Witnes	s (if any)	KAN	SAS CORPOR	ATION COMMISS	SION		ForC	y Company	
		. Far Cor	nmission	·	-DEC (2 2015–		k		McClurkan ked by	

· CONSERVATION DIVISION WICHITA, KS

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 Ratcliff B 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 30, 2015
Signature: Katherine McClurkan Kalhuw McLukan Received Title: Regulatory Analyst
MANSAS CON- DIVITION COMMISSION
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.