Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Tes	Type Test: (See Instructions on Reverse Side)												
Open Flow				Test Date:				ΔĐ	No. 15				
De	liverabi	ilty			03/11/20					175 - 20838-0	1000		
Company MERIT ENERGY COMPANY					Lease HEADRICK A					Well Number 1			
County SEWAR	:D		Location 1980' FS	on L & 330' FEL	Section 11		TWP 35S		RNG (E 34W	/W)		Acres Att 640	ributed
Field WIDEAWAKE				Reservoir LOWER MORROW			Gas Gathering Conne			ection			
Completion Date 08/13/1982					Plug Bac 6430'	k Total Dept	h	Packer Set at NA'		Set at			
Casing Size 4.5			Weight 11.6#		Internal Diameter 4.0		Set at 6439 '		Perforations 6260'		то 6276'		
Tubing Size 2.375			Weight 4.7#		Internal Diameter 1.995		Set at 6225'		Perforations NA		To NA		
Type Completion (Describe) SINGLE GAS					Type Fluid Production WATER			Pump Unit or Traveling PUMPING UNIT					
Producing Thru (Annulus / Tubing)					% Carbon Dioxide				% Nitrogen		Gas Gravity - G		
CASING	<u> </u>			·									
Vertical Depth(H) 6329'				Pressure Taps FLANGE				(Mer 3			er Run) (Prover) Size		
Pressure Buildup: Shut in 03/11 20					15 at 10:30 AM (AM) (PM) Taken 03/								
Well on L	ine:	S	tarted	2	0 at		(AM) (PM)	Taken		20	at	(AI	M) (PM)
				OBSERVED SURFACE DATA			. ,		Duration of Shut-	in 24	Hours		
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	lemperature lemperature		Casing Wellhead Pressure $(P_w) \text{ or } (P_1) \text{ or } (P_c)$		Wellhe	Tubling bad Pressure or (P_t) or (P_a)	Duration Liquid Pro (Hours) (Barrel		
Shut-In	Shut-In .875		parg (r mr)	mones 11 ₂ 0			25.0	psia	psig	psia	24		
Flow													
					T	FLOW STR	EAM ATTRI	BUTES					Flowing
Plate Coefficient (F _b) (F _p) Mofd		Circle ane: Meter or Prover Pressure psia		Press Extension	Gravity Factor F _g		Flowing emperature Factor F _{f1}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	(Cubic Fe	GOR (Cubic Feet/ Barrel)	
					(OPEN FL	OW) (DELIVI	ERABILITY)	CALCUL	ATIONS		1P \	² = 0.207	,
(P _c) ² =		_:	(P _w) ² =	•	P _d =	9	6 (P,	14.4) +	14.4 =	:	(P _d)		
$(P_g)^2 - (P_g)^2$ or $(P_g)^2 - (P_g)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2 1, $P_c^2 - P_x^2$ 2, $P_c^2 - P_d^2$ Sivided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2.		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverabilit Equals R x An (Mcfd)	
						_							
						ar je with the				<u></u>	Mcfd @ 14.65 psi		
Open Flo				Mcfd @ 14.	<u> </u>		Deliverabi						
		_		behalf of the	, -		•			ne above repo lovember	rt and that he ha		dge of
123.00	(1	5 . 1	,	In 100 100		Re	reived				y Company	·	· · · · · · · · · · · · · · · · · · ·
			Witness (il	any)	K	ANSAS CORPO	ORATION COM	Wission	ı		ompany McClurkan		
			For Commi	ssion		DEC	0 2 201	5			ked by	······································	

CONSERVATION DIVISION WICHITA, KS

exempt status und and that the foreg correct to the best of equipment insta I hereby reque	er Rule K.A.R. 82-3-304 on booling pressure information at of my knowledge and belief lation and/or upon type of cost a one-year exemption from	ehalf of the operator Merit End and statements contained on based upon available produc	this application form are true and ction summaries and lease records nade of the gas well herein named.
gas well on the gr	ounds that said well:		
(Check	is a coalbed methane produ is cycled on plunger lift due is a source of natural gas fo is on vacuum at the present		No
			documents deemed by Commission
statt as necessar	to corroborate this claim for	exemption from testing.	
Date: November	30, 2015		· ·
KAN	Received SAS CORPORATION COMMISSION Sign DEC 0 2 2015 CONSERVATION DIVISION WICHITA, KS	ature: Katherine McClur	kan Lathouse My luck

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.