KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			(-	See Instruct	ions on Rev	erse Side)			
□ Ор	en Flow			Test Date				A DI 1	No. 15		
√ Del	liverabilty	1		02/18/20					29-20388 ~	0002	
Company MERIT E		Y COMPANY	<i>(</i>			Lease BARKEF	R A	-		1	Well Number
County MORTO	N	Location 1730' FSL & 2080' FEL		Section 23		TWP 33		RNG (E/W) 41		Acres Attributed 640	
Field BERRYN	MAN SE			Reservoir UPPER MORROW		1		Gas Gathering Connect		ection	
Completic 07/01/19				Plug Bacl 5350'	Total Dept	h ·		Packer S NA	et at -		
Casing Si 5.5	ize	_	Weight 15.5#		Internal Diameter 4.95		Set at 5390'		ations	то 5010'	
Tubing Si	ze	-	Weight		Internal Diameter		Set at		ations	To	
2.375	noletion	4.7# Describe)		1.995 Type Fluid Production		2839"		NA Pump Unit or Traveling P		NA Plunger? Yes / No	
SINGLE				WATE				YES -	ROD PUM	P runger? tes	/ NO
Producing	,	Annulus / Tubir	ng)	% C	arbon Dioxi	de		% Nitroge	en	Gas Gr	avity - G _g
Vertical D 5008'	epth(H)	** * '		•	Press FLAN	sure Taps NGE	, .			(Meter I	Run) (Prover) Size
Pressure	Buildup:	Shut in 02	/17/2013	0at_3	00 PM	(AM) (PM)	Taken 02	/18/201	3 20	at_3:00 P	M (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 Hours
Static / Dynamic Property	Orifice Size (inches	Meter Prover Press	Differential in	Flowing Temperature t	Well Head Temperature t	Casi Wellhead F (P _w) or (P _t	Pressure) or (P _c)	Wellhea (P _w) or	ubing ad Pressure (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	0.88	porg (,	,			psig	psia 25	psig	psia 5	24	
Flow											
		. 1			FLOW STR	EAM ATTRI	BUTES				
Plate Coefficeient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension P _m xh	Grav Fact	or T	Flowing Temperature Factor F ₁₁	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity
				,							
				(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P.)	² = 0.207
(P _c) ² =		: (P _w) ²	=:	$P_{\sigma} =$	9	% (P	14.4) +	14.4 =	:	(P _d)	
(P _c) ² - (F or (P _c) ² - (F	_	(P _e) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Slop	sure Curve e = "n" origned rd Slope	nxL	og [Antilog	.Open Flow Deliverability Equals R x Antilog (Mcfd)
			-	_							
Open Flo	w		Mcfd @ 14	65 psia		Deliverabi	lity		!	Mcfd @ 14.65 ps	ia
The	undersigi	ned authority,	on behalf of the	Company, s	tates that h	e is duly au				rt and that he ha	as knowledge of
the facts s	tated the	rein, and that	said report is tru	e and correc	t. Executed	this the 71	Ή	day of N	ovember		, 20 <u>13</u> .
	San ry								mo	P	
•	y 2.	Witness	(if any)						For C	ompany	
		For Con	nmission						Chec	ked by	

	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request
	inder Rule K.A.R. 82-3-304 on behalf of the operator MERIT ENERGY COMPANY
	regoing pressure information and statements contained on this application form are true and
	est of my knowledge and belief based upon available production summaries and lease records
	stallation and/or upon type of completion or upon use being made of the gas well herein named.
	quest a one-year exemption from open flow testing for the BARKER A-1
gas well on the	grounds that said well:
(Ch.	of analy
(CITE	
	is a coalbed methane producer
L	is cycled on plunger lift due to water
L	is a source of natural gas for injection into an oil reservoir undergoing ER
Ĺ	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 ac	ree to supply to the best of my ability any and all supporting documents deemed by Commission
	ary to corroborate this claim for exemption from testing.
otan as necess	ary to corroborate this dain for exemption form testing.
Date: 11/07/20	<u>13 </u>
	·
	Signature: M. Chert Patrice
	Signature: M. Churk Patrice 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 signed and dated on the front side as though it was a verified report of annual test results.

NOV 1 4 2013