Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:		(5	See Instructi	ions on Reve	rse Side)			
Open Flow		Took Date				A DI	No. 15		
Deliverability		Test Date: 07/12/20					189-20427-0	0000	
Company MERIT ENERGY COMPA	NY			Lease SHELL					Well Number -13
•	cation ' FNL & 2570' FEL	Section 13		TWP 33S		RNG (E/ 38W	W)		Acres Attributed 640
Field GENTZLER		Reservoir LOWER	MORROW	<i>V</i>		Gas Gati APC	nering Conn	ection	
Completion Date 12/07/1988		Plug Back 6125'	Total Depti	h	•	Packer S NA	et at		
			Internal Diameter 4.0		Set at 6180'		ations	то 6082'	
			Internal Diameter		Set at		ations	To NIA	
2.375 4.7		1.995	I Production	5985'		NA Bump Un	it or Tougling	NA Plunger? Yes	/ No
Type Completion (Describe) SINGLE GAS		WATER				YES	it of flaveling	rriungerr res	, NO
Producing Thru (Annulus / Tu TUBING	bing)	% Ca	arbon Dioxid	le		% Nitrog	en .	Gas Gra	avity - G _g
Vertical Depth(H)				ure Taps				•	Run) (Prover) Size
6048')7/12 ₂₀	<u>, `., </u>	FLAN	JGE		<u> </u>	\$ 50.	3	
Pressure Buildup: Shut in _	20	15 at 9:	UU AM	(AM) (PM) T	aken_U/	/13	20	15 at 9:00 A	(AM) (PM)
Well on Line: Started _	20	at		(AM) (PM) T	aken		20	at	(AM) (PM)
		.,,	OBSERVE	SURFACE	DATA			Duration of Shut-	in 24 Hours
Static / Orifice Mete Dynamic Size Prover Pr Property (inches) psig (F	or Differential .	Flowing Temperature t	Well Head Temperature t	Casin Wellhead Pa (P _w) or (P ₁)	ressure or (P _c)	Wellher (P_) or	ubing ad Pressure (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In 1.0	III) III. III. III. III. III. III. III.			70	psia	psig 68	psia	24	
Flow									
<u> </u>			FLOW STR	EAM ATTRIE	UTES		 		
Plate Circle one: Coefficient Mater or (F _b) (F _p) Prover Pressu Mcfd psia	Pross Extension Pmxh	Gravi Facto F _g	' I T	Flowing emperature Factor F _{(t}	Fac	ation ctor	Metered Flow R (Mcfd)	v 6OR (Cubic Fe Barrel)	Flowing Fluid Gravity , G _m
		l				,			
		(OPEN FLO	W) (DELIVE	ERABILITY) (CALCUL	ATIONS		(P.)	2 = 0.207
$(P_c)^2 = $: $(P_w)^2$)2 =:	P _d = _	%	6 (P _e	- 14.4) +	14.4 =	;	(P _d):	
$(P_c)^2 - (P_a)^2$ $(P_c)^2 - (P_w)^2$ or $(P_c)^2 - (P_d)^2$	Choose tornula 1 or 2: 1. P _c ² - P _d ² 2. P _c ² - P _d ²	LOG of formula 1, or 2, and divide by:	P _c ² - P _w ²	Backpress Slope o Assig Standar	= "n" r jned	n x l	.og []	Antilog	Open Flow Deliverability Equals R x Antilog (McId)
	divided by: P _c ² - P _w ²	by.		Standar		-			_ `
					<u> </u>				
Open Flow	Mcfd @ 14,6	i5 psia		Deliverabili	ty			Mcfd @ 14.65 psi	a
The undersigned authority								ort and that he ha	
the facts stated therein, and the	at said report is true	and correct			<u>n </u>	Jay 01	ovember		, ₂₀ <u>15</u>
With	ess (if any)			Received RPORATION 60	MMISSION	Mer		Company	
	Commission		— DE	C 0 2 29	115	Ka	therine N	McClurkan ked 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 Shell 3-13
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
The state of processing and a same, ratio and an annual state of the same and a same and
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
$\langle u \rangle = 2\pi R C I / I$
Signature: <u>Katherine McClurkan Frithuri McClur</u>
KANSAS CORPORATION COMMISSION Title: Regulatory Analyst
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.