## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:				(	See Instruc	tions on Reve	erse Side	)				
Open F	low			Tool Date				4.01	No. 45			
Delivera	abilty			Test Date 11/08/20					No. 15 175-21796-(	0000		
Company MERIT ENE	RGY	COMPANY				Lease KANE		-		2-13	Well Number	
County Location SEWARD NE SW NE				Section 13		TWP RNG (E/W) 33S 32W		W)	Acres Attributed 640			
Field EAST HUGO	OTON			Reservoir CHASE	•		4,144	Gas Gat	hering Conn K	ection		
Completion D 06/13/2000	ate	, p. + 3+		Plug Bac 2814	k Total Dept	th		Packer S	Set at		· · ·	
Casing Size 4.5	-			Internal Diameter 4.052				Perfo 254	rations 4	то 2594		
Tubing Size 2.375	_	Weight 4.7		Internal Diameter 1.995		Set at 2550	50		rations	То		
Type Complet SINGLE-G		escribe)	•	Type Flui WATE	d Production R	n			nit or Traveling BEAM PU			
Producing The ANNULUS	u (An	nulus / Tubing)		% c 0.0488	arbon Dioxí <b>%</b>	de		% Nitrog 15.069		Gas Gra 0.711	avity - G <sub>g</sub>	
Vertical Depth 2569	(H)					sure Taps NGE		2 21. 5-4		(Meter F 3.068	Run) (Prover) Size	
Pressure Build	lup:	Shut in	8 2	0_15 at 1	1:30 AM	(AM) (PM)	aken 11	/09	20	15 at 11:30 /	AM_ (AM) (PM)	
Well on Line:		Started	2	D at		(AM) (PM) 1	Taken		20	at	(AM) (PM)	
					OBSERVE	D SURFACE	DATA		,	Duration of Shut-	n_24 Hours	
Dynamic S	ilice lize thes)	Circle one:  Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	(P <sub>w</sub> ) or (P <sub>1</sub> )	ressure or (P <sub>c</sub> )	Wellhe	fubing ad Pressure r (P <sub>c</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		poig (i my				68.0	_psia	psig	psia	24		
Flow											<u> </u>	
r	_				FLOW STR	EAM ATTRIE	UTES					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Pre	Circle one: Meter or over Pressure psìa	Press Extension ✓ P <sub>m</sub> xh	Grav Faci F <sub>g</sub>	or 1	Flowing femperature Factor	Fac	ation ctor	Metered Flov R (Mcfd)	y GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
									_:			
				(OPEN FLO	OW) (DELIV	ERABILITY)	CALCUL	ATIONS			= 0.207	
(P <sub>c</sub> )² =	<u>. : </u>	(P <sub>w</sub> ) <sup>2</sup> =_	:	P <sub>d</sub> =		% (P,	- 14.4) +	14.4 =	<del>:</del> -	(P <sub>a</sub> ) <sup>2</sup>	<u></u>	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(F	)²- (P <sub>w</sub> )²	hoose formula 1 or 2: 1. $P_0^2 - P_1^2$ 2. $P_2^2 - P_2^2$ wided by: $P_2^2 - P_2^2$	LOG of formula 1, or 2, and divide by:	b.s-b.s	Backpress Slope C Assi Standar	:= "n" of gned	n x !	LOG	Antilog <sub>,</sub> ,	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	┼-		w. C. C. W.	-7.					·	_		
	1											
Open Flow			- Mcfd @ 14.	65 psla		Deliverabili	ity			Mcfd @ 14.65 psi	a	
The unde	-								ne above repo lovember	rt and that he ha	s knowledge of	
ung racis siateu	meie	iii, aiiu iiiat sat	a report is title		Re	Ceived				ergy Company	·	
		Witness (if a				0 2 2015-			Katherin	company le McClurkan cked by		

exempt status und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Merit Energy Company
_	joing pressure information and statements contained on this application form are true and
	of my knowledge and belief based upon available production summaries and lease records
· ·	ullation and/or upon type of completion or upon use being made of the gas well herein named.
	est a one-year exemption from open flow testing for the Kane 2-13
gas well on the gro	ounds 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
<b>✓</b>	is not capable of producing at a daily rate in excess of 250 mcf/D
_	e 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
, ,	
	1
KAN	Received SAS CORPORATION COMMISSION Signature: Katherine McClurkan Valneuri Wylluckur
	DEC 0 2 2015 Title: Regulatory Analyst
	CONSERVATION DIVISION WICHTA, 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.