## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	i:				(-	See Instruct	ions on Reve	rse Side	)					
Open Flow					Total Date:				4.01	N. 45				
Deliverabilty				Test Date 09/20/20	1est Date: 09/20/2015				API No. 15 15-081-20341-000 <b>3</b>					
Company Merit Energy Company					55,25,2	Lease HUNGATE							Well Number 2-13	
County Location Haskell NE-NW					Section 13	1	TWP 29		RNG (E/W) 34W			Acres Attributed 640		
Field KOENIG					Reservoir Lansing/Kansas City B/Marmaton/Morrow			Gas Gathering Connection Pioneer						
Completion Date 3/12/2001				Plug Back Total De 5496			oth		Packer Set at NA					
Casing Si	ize		Weigh 15.5#		Internal Diameter 4,950		Set at 5609		Perforations 4814		то 5232			
Tubing Size 2 7/8			Weigh 6.5#		Internal Di 2,441		Set at 5400		Perforations Open End		То			
Type Completion (Describe) COMMINGLED-Oil/Gas					<u> </u>	d Production	n F			it or Traveling	Plunger? Yes	er? Yes / No		
			nulus / Tubing	<u> </u>		arbon Dioxi	de		% Nitrog		Gas G	ravity - 0		
Annulus	•	(/ \$1 11	Tallas F Tability			arbon bloni		_						
· · · · · · · · · · · · · · · · · · ·										rover) Size				
5600				Flange 2015								Meter Run - 4"		
Pressure	Buildup		Shut in09/2										(AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM) 1	aken		20	at	(	AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut	<sub>-in</sub> _24	Hours	
Static / Orifice Dynamic Size		•	Circle one: Meter Prover Pressu	Pressure Differential in	Flowing Well Hea Temperature Temperatu		I Wellhoad Pressure		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrels)	
Property	(inche	95)	psig (Pm)	Inches H <sub>2</sub> 0	t	t -	psig	psia	psig	psia				
Shut-In						<u>-</u>	0		26	<del>- </del>	24		<del></del>	
Flow														
					1	FLOW STR	EAM ATTRIE	UTES	·					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or ver Pressure psia	Press Extension  P <sub>m</sub> x h	Grav Fact F <sub>g</sub>	tor 1	Flowing femperature Factor Fu	Fa	ation ctor	Metered Flov R (Mcfd)	y GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
			_			ı	•							
			<u> </u>		(OPEN FLO	OW) (DELIV	ERABILITY)	CALCUL	ATIONS			) <sup>2</sup> = 0.2	 07	
(P <sub>c</sub> )² ≈		_:	$(P_w)^2 =$	<u> </u>	P <sub>d</sub> =		% (Р <sub>с</sub>	- 14.4) +	14.4 =	:	(P <sub>d</sub>			
$(P_c)^2 - (P_a)^2$ or $(P_a)^2 - (P_d)^2$		(P	(P <sub>w</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2 1. $P_c^2 - P_A^2$ 2. $P_c^2 - P_d^2$	LOG of formula 1. or 2.	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpressure Curve Slope = "n"or Assigned		n x I OG		Antilog	Del Equals	Open Ftow Deliverability Equals R x Antilog (McId)	
				divided by: Pc2 - Pw	2 by:		Standar	d Slope	_				((W.C.G.)	
					_						.,,-			
						Dather - 4th						14 65 poin		
Open Flo	w			Mcfd @ 14.	.65 psia		Deliverabil	<u>ty</u>		-	Mcfd @ 14.65 ps	iia		
		_		n behalf of the lid report is true	• •		-			e above repo ecember	rt and that he h		ledge of 20 <u>15 .</u> .	
14613 3	iaicu U	.61 <b>6</b> 1	n, und that Sc	na report to trut	Janu Conso					Eneray (	Company		<u></u> -•	
<del></del>			Witness (i	any)			Receive	 ed	Katl		Company			
			For Comm	ission		KANSAS	CORPORATION	COMMISS	HON		iked by		<del></del>	

JAN 04 2016

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 Hungate 2-13
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
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: 12/29/2015
Signature: Katherine McClurkan Fallwuk McLurko  Received KANSAS CORPORATION COMMISSION  Title: Regulatory Analyst  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.