KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	n Flow			Test Date	:	tions on Reve	erse Side)	API I	No. 15			
Company	iverabilt	y -	 	04/20/20)13	Lease		15-1	75-30014 -0 (Well Number	
MERIT É		Y COMPAN			·	MCAHRE				. A-1		
County Location SEWARD 4620' FSL & 660' FEL			Section 24	•			RNG (E/W)		Acres Attributed 640			
Field ARCHER				Reservoir LOWÉR	CHESTE			Gas Gathering Connecti APC		on		
Completion Date 07/29/1965				Plug Back 6410'	K Total Dept	th 	N		et at			
Casing Size Weight 4.5 9.5#			Internal Diameter 4.09		Set at 6410'		Perforations 5982'		To 5994'			
Tubing Size Weight 2.375 4.7#			Internal Diameter		Set at 5963'		Perforations NA		To NA			
Type Completion (Describe) SINGLE GAS					d Production	Pu		Pump Unit or Traveling Plunger?		•	•	
	Thru (Annulus / Tubi	ng)		arbon Dioxi	ide .		% Nitroge	en	Gas Gr	avity - G _g	
Vertical De						sure Taps				(Meter I	Run) (Prover) Size	
				0			AM) (PM) Taken 04/20/2013		3 20		.M (AM) (PM)	
Well on Li	ne:	Started	20) at		(AM) (PM) 1	Taken		20	at	(AM) (PM)	
					OBSERVE	D SURFACE	DATA		. Du	ration of Shut-	in Hours	
Static / Dynamic Property	Dynamic Size		Pressure Differential in Inches H ₂ 0	Flowing Temperature t t Well Head Temperature		Casing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	.50		-			· · · · · · · · · · · · · · · · · · ·	60	poig	10	24		
Flow												
				<u></u>	FLOW STF	REAM ATTRIE	BUTES	Т				
Plate Coeffieci (F _b) (F _c Mcfd	ent ,)	Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Grav Fact	lor	Flowing Temperature Factor F ₁₁	Devia Fac F _r	tor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity	
(P _c) ² =		: (P _w) ²	= :	(OPEN FLO	• •	/ERABILITY) % (P.	CALCULA - 14.4) +		· :	(P _a) (P _d)	$r^2 = 0.207$ $r^2 = $	
(P _c) ² - (F	_	(P _c) 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: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slope Assi	sure Curve e = "n" or gned rd Slope	nxL	.og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow		Mcfd @ 14.65 psia				Deliverability			Mcfd @ 14.65 psia			
<u> </u>		ned authority,	on behalf of the		states that h	• • • • • • • • • • • • • • • • • • • •		make th				
	•		said report is true			•			ovember	7	, 20 13	
		Witness	s (if any)		· · · · · ·	. —			M Cf	pany	1/00 1A	
	*****				·	_					KCC W	
		For Con	nmission						Checked	i by	NOV 1	

exempt status un and that the fore	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator MERIT ENERGY COMPANY going pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records
of equipment ins	allation and/or upon type of completion or upon use being made of the gas well herein named. lest a one-year exemption from open flow testing for the MCAHREN A-1
	rounds that said well:
	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 to supply to the best of my ability any and all supporting documents deemed by Commission by to corroborate this claim for exemption from testing.
Date: <u>11/05/201</u>	Signature: M. Cheyl 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 form must be signed and dated on the front side as though it was a verified report of annual test results.