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

Type Test	t:			4	(See Instruc	tions on Re	verse Side	?)			
·	Open Flow  ✓ Deliverabilty			Test Date: API No. 15 07/03/2013 15-129-21547 - 000 2							
Company MERIT E		Y COMPANY	· · · · · · · · · · · · · · · · · · ·			Lease USA BA	RKER A			3	Well Number
County MORTO	County Location MORTON 660' FSL & 1980' FEL		Section 23		TWP 33			/W)	Acres Attributed 640		
Field BERRYMAN			Reservoir UPPER MORROW/ WABAUNSEE/ TOPEKA				Gas Gathering Connection APC				
•	Completion Date 11/01/1998			Plug Back Total Depth 5050'			-	Packer S	Set at	<del></del>	
Casing S 5.5	Casing Size Weight		Internal I 4.95	Diameter		Set at 5298'		rations	то 4974'		
	Tubing Size Weight		Internal (	Diameter	Set at 4980		2810 Perforations NA		To NA		
Type Completion (Describe)			Type Fluid Production WATER/COND.			Pump Unit or Traveling Plunger? Yes / No PUMPING UNIT YES					
Producing	g Thru (A	/ Annulus / Tubin	ng)		Carbon Dioxi			% Nitrog			ravity - G
CASING Vertical Depth(H)			Pressure Taps				(Meter Run) (Prover) Size				
6186'  Pressure Buildup: Shut in 07/02/2013			3	FLANGE  Dat 3:00 PM (AM) (PM) Taken 0				13	3:00 F	PM	
Well on L											(AM) (PM) (AM) (PM)
					OBSERVE	D SURFACE	E DATA			Duration of Shut	-in Hours
Static / Dynamic Property	Orifice Size (inches	Meter Prover Press	Differential in	Flowing Temperature t	Well Head Temperature t	Casing  Wellhead Pressure  (P <sub>w</sub> ) or (P <sub>c</sub> ) or (P <sub>c</sub> )		Tubing  Wellhead Pressure  (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
Shut-In	.75		, ,			psig	psia 20	psig	psia O	24	
Flow					_						
			<del> </del>		FLOW STR	EAM ATTRI	BUTES				
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia	leter or Extension er Pressure		Gravity Factor F <sub>9</sub>		g Deviation ture Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	GOR Flowin (Cubic Feet/ Fluid Barrel) Gravit G <sub>m</sub>	
				(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS			
(P <sub>c</sub> ) <sup>2</sup> =	:	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>a</sub> =			<sub>c</sub> - 14.4) +		<u> </u>	(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =
(P <sub>c</sub> ) <sup>2</sup> - (F		$ \begin{array}{c} \text{Choose formula 1 or 2:} \\ (P_c)^2 \cdot (P_w)^2 & 1. \ P_c^2 \cdot P_a^2 \\ & 2. \ P_c^2 \cdot P_a^2 \\ & \text{divided by:} \ P_c^2 \cdot P_w^2 \end{array} $		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		In x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
				<u> </u>							
Open Flow			Mcfd @ 14.	65 pola	-	Deliverabi	tia.				
		ed authority o			totos that h					1cfd @ 14.65 ps	<del></del>
			n behalf of the aid report is true						ovember	and that he ha	, 20 <u>13</u>
						_			_mc	P	KCC WIC
		Witness (						_	For Co	mpany	NOV 12 2
		For Comm	nission		<b>-</b>	_			Check	ed by	RECEIN

	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
and that the foregoerrect to the best of equipment instance.  I hereby requirement in the second control of th	going 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 allation 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 USA BARKER A-3 ounds 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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: 11/06/201	3
	Signature: M. CheyPatrick  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.