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

Type Test:				((See Instruc	tions on Re	everse Side	e)					
Open FI	ow												
✓ Deliverabilty			Test Date: 04/20/2011					API No. 15 15-175-21737 					
Company MERIT ENERGY COMPANY			Lease DAVIES						Well Number				
County Location SEWARD 510' FNL & 660' FEL			Section TWP 6 34S				RNG (E/W) 31W		Acres Attributed 640				
Field ARKALON			Reservoir LOWER MORROW/CHESTER			Gas Ga APC	thering Conn	ection					
Completion Date 07/16/1998			Plug Back Total Depth 5786'			Packer	Set at						
Casing Size 5.5		Weight 15.5#			Internal Diameter 4.95		Set at 5851'		orations 2'	то 5744'			
Tubing Size 2.375	·	Weight 4.7#			Internal Diameter 1.995		Set at 5721'		orations	To NA			
Type Completion (Describe) ingled (GAS)			Type Fluid Production WATER			Pump Unit or Traveling I PUMPING UNIT		Plunger? Yes / No YES					
Producing Thru CASING	ı (Annulus	s / Tubing))	% C	Carbon Dioxi	de		% Nitro	jen	Gas Gr	avity - G _g		
Vertical Depth(H)				Press FLAI	sure Taps				(Meter I	Run) (Prover)	Size	
Pressure Build	up: Shut	in _04/2	20	0 11 at 1	:30 PM	(AM) (PM)	Taken_04	4/22	20	11 at 1:30 P	M(AM) (P	 PM)	
Well on Line:	Start	ted	20	D at		(AM) (PM)	Taken		20	at	(AM) (P	РМ)	
		U			OBSERVE	D SURFAC	E DATA			Duration of Shut-	in :	Hours	
Static / Orifice Dynamic Size Property (inches) Meter			Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced	
Shut-In .63			mones 11 ₂ 0			psig	psia 33	psig	psia 0	24			
Flow												:	
	·		*		FLOW STR	EAM ATTR	IBUTES						
$ \begin{array}{ccc} \text{Plate} & \textit{Circle one:} \\ \text{Coeffiecient} & \textit{Meter or} \\ (F_b) (F_p) & \textit{Prover Pressure} \\ \text{Mcfd} & \text{psia} \\ \end{array} $		er or ressure	Press Extension P _m x h	Gravity Factor F _g		Flowing Temperature Factor F,,		iation Ictor E Pv	Metered Flow R (Mcfd)	(Cubic Fe Barrel)	et/ Flow Grav G _a	id vity	
				(OPEN FL	OW) (DELIVI	ERABII ITY) CALCUL	ATIONS					
(P _c) ² =	<u>.</u>	(P _w) ² =		P _d =			P _c - 14.4) +		:	(P _a);	2 = 0.207 2 =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _c) ² - ((P _c) ² - (P _w) ² Choose tormul 1. P _c ² - 2. P _c ² - divided by: P _c		LOG of formula 1. or 2. and divide P2_P2		Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverabili Equals R x Ar (Mcfd)	ity	
Open Flow	Open Flow Mcfd @ 14.65				psia [Deliverability		Mcfd @ 14.6		35 psia		
The unders			d report is true						ECEMBER	and that he ha	RECEIVE	D	
		For Commiss	eion		-	_			Chan	ked by	EC 142	2011	

KCC WICHITA

	r penalty of perjury under the laws of the state of Kansas that I am authorized to request or Rule K.A.R. 82-3-304 on behalf of the operator MERIT ENERGY COMPANY
and that the forego correct to the best of equipment instal I hereby reques	oing 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 lation and/or upon type of completion or upon use being made of the gas well herein named. St a one-year exemption from open flow testing for the
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
	Signature: MChey 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.