KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			((See Instruct	ions on Re	everse Side	e)					
Open Flo	w		Test Date	۵٠			ΛD	I No. 15				
✓ Deliverab	✓ Deliverabilty			02/06/2011				API No. 15 15-175-21648 ~∞- ○○				
Company MERIT ENER	GY COMPAN	1Y			Lease HARDE	ΞN				Well Number A-3		
County SEWARD	Location 660' FNL & 1980' FWL		Section 34		TWP 33		RNG (E/W) 33W		Acres Attributed 640			
Field EVALYN				Reservoir CHESTER D			Gas Gathering Connection APC					
Completion Date 09/27/1997			Plug Bac 5960'	Plug Back Total Depth 5960'			Packer Set at NA'					
Casing Size 5.5	. We	Internal Diameter 4.95		Set at 6337'		Perforations 5839'		т _о 5860'				
Tubing Size 2.375				Diameter	Set at 5790'		Perforations NA		To NA			
Type Completion (Describe) SINGLE GAS				Type Fluid Production			Pump Unit or Traveling Plunger? Yes / No NO					
Producing Thru TUBING		% Carbon Dioxide			% Nitrogen Gas Gravity			ravity - G _g				
Vertical Depth(H		Pressure Taps FLANGE					(Meter	Run) (Prover) Size				
Pressure Buildu	p: Shut in 0	2/06	11 at 1			Taken_02	2/07	20	11 at 1:00 F	PM (AM) (PM)		
Well on Line:	Vell on Line: Started 20		at((AM) (PM) Taken			20 at		(AM) (PM)		
				OBSERVE	D SURFAC	E DATA			Duration of Shut	-in Hours		
Dynamic Size	nic Size Meter Prover Pressure		Flowing Temperature t	Well Head Temperature t	erature Wellhead Press		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In .50	paig (i i	n) Inches H ₂ 0			psig	160	psig	psia 70	24			
Flow												
				FLOW STRI	EAM ATTR	RIBUTES	.1		<u> </u>			
Plate Coefficcient (F _b) (F _p) Mcfd	Coefficient Meter or Extens (F _b) (F _p) Prover Pressure		Gravity Factor F		Temperature Fa		viation Metered Flow actor R F _{pv} (Mcfd)		w GOR (Cubic Fe Barrel)	eet/ Fluid		
(D.)3	(5.)			OW) (DELIVE)2 = 0.207		
(P _c) ² =	_: (P _w) ²	Choose formula 1 or 2	P _d = .	%	T	P _c - 14.4) +		:	(P _d))2 =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _c) ² - (P _w) ²	1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _a ²	LOG of formula 1. or 2. and divide by:	P _c ² -P _w ²	Backpressure Curve Stope = "n"or Assigned Standard Stope		n v	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flow		Mcfd @ 14.	65 pcia		Deliverab	vilitu			Mofd @ 14.05	io		
									Mcfd @ 14.65 ps			
		on behalf of the said report is true						e above repo	ort and that he ha	as knowledge of, 20 <u>11</u> .		
				<u></u>	-	W	1Ch	ey f	Much	RECEIVED		
		s (if any)			 -	,		V For €	Company Cked by	DEC 1 4 201		
	1 01 001							Chec	•	CC WICHIT		

exempt status under I and that the foregoin correct to the best of of equipment installat	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator MERIT ENERGY COMPANY g pressure information and statements contained on this application form are true and my knowledge and belief based upon available production summaries and lease records ion and/or upon type of completion or upon use being made of the gas well herein named. a one-year exemption from open flow testing for the HARDEN A-3 and that said well:
is	a coalbed methane producer cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER on vacuum at the present time; KCC approval Docket No not capable of producing at a daily rate in excess of 250 mcf/D supply to the best of my ability any and all supporting documents deemed by Commission corroborate this claim for exemption from testing.
Date: 12/12/2011	Signature: MChurk Patticle
	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.