KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	tions on Rev	erse Side)				
Open Flow			Tost Date	Test Date: API No. 15									
✓ Deliverabilty				10/24/2010 15				129-20748	-0000	C			
Company Merit En		Com	ipany			;	Lease Stirrup	Unit			16-1	Well Number	
County Morton			*-*	8-4620 FWL	Section 33	33		TWP RM 32 40		/W)	Acres Attributed 640		
Field Cimarron Valley			660 FSL 4620 FEL		Reservoir Morrow			Gas Gathering (APC		thering Conne	ection		
Completion Date 01/18/1994					Plug Back Total Depti 5480'		h	Packer Set at NA		Set at			
Casing Size 4.5			Weight 10.5		Internal Diameter 3.95		Set at 5907'		Perforations 5288'		то 5301'		
Tubing Size 2.375			Weight 4.75		Internal Diameter 1.995		Set at 5320'		Perforations NA		То		
Z.375 Type Completion (De				· · · ·		Type Fluid Production				nit or Traveling	Plunger? Yes	/ No	
Single Gas					Ćond∕\	∕Vtr	N		No	,			
Producing Tbg	g Thru	(Ani	nulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	gen	Gas Gr	avity - G _p	
Vertical C	epth(F	⊣)				Press Flan	sure Taps ge				(Meter 4	Run) (Prover) Size	
Pressure	Buildu	ıp:	Shut in 10/2	24 2	0 10 at 8	:00AM	(AM) (PM)	Taken_10)/26	20	10 _{at} 9:00Al	M (AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA	·		Duration of Shut-	in 48 Hours	
Static / Dynamic Property	Dynamic Size		Circle one. Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H _s 0	Flowing Welt Head Temperature t t		(P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure $(P_w) \propto (P_t) \propto (P_e)$		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	.50	<u>-</u>	poig (i iii)	IIICAGS FI ₂ O			psig 20	psia	psig	psia	48		
Flow													
			· · · · · · · · · · · · · · · · · · ·		- 	FLOW STR	EAM ATTRI	BUTES					
Plate Coeffiecient (F _b) (F _p) Mold		Pro	Meter or rover Pressure psia		Gravity Factor F _g		Flowing Femperature Factor F _{rt}	nperature Factor		Metered Flow R (Mcfd)	(Cubic Fe Barrel)	Gravity G _m	
											RECEIVED		
			'		(OPEN FL	OW) (DELIV	ERABILITY)			A	1AR 1 1 շթյ	= 0.207	
(P _c) ₅ =		:	(P _w) ² =	: Choose formula 1 or 2.	P _d =	<u> </u>	% (P	<u>c - 14.4) +</u>	14.4 = _		(P _d)	² =	
(P _e) ² · (F or (P _e) ² · (F		(F)2 - (P _w)2	1. P ₂ ² -P ₂ ² 2. P ₂ ² -P ₂ ² (ivided by P ₂ ² -P ₂ ²)	LOG of tormuta 1. or 2. and divide	P _c ² ·P _w ²	Slop	sure Curve e = "n" or igned ard Slope	n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
							ļ			· · · · · · · ·			
Once Flor				Maid @ 14	GE poin		Deliverabi	lia.			Maid @ 14 CE asi	-	
Open Flor				Mcfd @ 14.							Mcfd @ 14.65 psi		
		-	-	behalf of the id report is true	•		-			•	rt and that he ha	s knowledge of, 20 _11	
										gy Company	7		
		•	Witness (if	any)			_			For C	опралу		
			For Commi	ssion			_	Lynn	e Moor		ked by		

	under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	under Rule K.A.R. 82-3-304 on behalf of the operator Merit Energy Company oregoing pressure information and statements contained on this application form are true and
	best of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named.
•	equest a one-year exemption from open flow testing for the <u>ราเดินคืนเมา เม-)</u> e grounds that said well:
[further a	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 gree to supply to the best of my ability any and all supporting documents deemed by Commission sary to corroborate this claim for exemption from testing.
Date: 03/09/2	2011
	Signature: Noon
	Title: Regulatory Manager

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.