KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Type Tes	t:				(See Instruct	tions on Revi	erse Side	·)					
Open Flow				World Dishare				4.04	No. 45					
Deliverabilty				Test Date: 08/04/2015			API No. 15 15-189-22409-0000							
Company MERIT ENERGY COMPANY					Lease COTTRELL A							Well No	ımber	
County Location STEVENS 2310' FNL & 1320' FWL				Section 32		TWP 34S		RNG (E/W) 38W			Acres Attributed 640			
Field MOUSER				Reservoir LOWER	MORROV	V		Gas Gathering Conr APC		ection				
Completion Date 01/01/2002				Plug Bac 6540'	k Total Dept	า		Packer Set at NA						
Casing Size Weight 5.5 15.5#				Internal Diameter 4.95		Set at 6593'		Perforations 6366'		то 63 7 8'				
Tubing Size Weight 2.375 4.7#					Internal E 1.995	Diameter	Set at 6316'		Perforations NA		To NA			
Type Completion (Describe) SINGLE GAS				Type Fluid Production WATER/COND.			Pump Unit or Traveling Plunger? Yes / No YES							
Producing	•	(Anr	nulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	en	Gas Gi	ravity - (G,	
Vertical Depth(H) 6372'					Pressure Taps FLANGE						(Meter 3	Run) (P	rover) Size	
Pressure	Buildu	p: -	Shut in08/0)4 2	20 15 at 9		(AM) (PM)	Taken_08	3/05	20	15 _{at} 9:00 A	M_	(AM) (PM)	
Well on L	.ine:	;	Started	2	:0 at	 .	(AM) (PM)	ïaken		20	at		(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut	-in 24	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure $(P_w) \text{ or } (P_1) \text{ or } (P_c)$ psig psia		Duration (Hours)		d Produced Barrets)	
Shut-In	0.88					-	56				24			
Flow														
						FLOW STR	EAM ATTRI	UTES					,	
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Grav Fact F _g	or T	Flowing Temperature Factor F ₁₁	nperature Facto		Metered Flow R (McId)	w GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
		_						<u> </u>						
(P _c) ² =		:	(P _w) ² =	:	(OPEN FLO		ERABILITY)	CALCUL - 14.4) +			(P _a) (P _a)	ı² = 0.2 ² =	07	
$(P_c)^2 - (P_a)^2$ or $(P_o)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Thoose formula 1 or 2 1. $P_0^2 - P_1^2$ 2. $P_c^2 - P_d^2$ tivided by: $P_c^2 - P_w$	ormula 1 or 2: P 2 - P 2 LOG of formula 1 or 2 and divide		Backpress Slope 	Backpressure Curve Slope = "n" 		LOG	Antilog	O; Del Equals	Open Flow Delivorability Equals R x Antilog (Mcfd)	
					1		<u> </u>							
					<u> </u>	 -	D. 15					<u></u>		
Open Flo	W			Mcfd @ 14.	ob psia		Deliverabil	ity			Mcfd @ 14.65 ps	ıa		
		•		behalf of the			•	_		e above repo ovember	rt and that he ha		ledge of	
						-Received	ı –		Mer		Company			
_			Witness (if			ORPORATION (COMMISSION		Ka	therine N	Company AcClurkan Cked by			
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I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Merit Energy Company and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Cottrell A-3
gas well on the grounds 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 I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: November 30,2015
Signature: Katherine McClurkan Mathuwi McLuka- Received KANSAS CORPORATION COMMISSION DEC 0 2 2015
CONSERVATION DIVISION WICHITA, KS

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.