KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t: en Flov	v			`		tions on Rev	erse Side	•				
Deliverabilty				Test Date 09/11720			API No. 15 15-129-21635-0000						
Company MERIT ENERGY COMPANY				Lease MURPHY C			Y C			Well Number 2			
County Location MORTON 990 FSL & 1980 FEL				Sectiœ 11				RNG (E/ 41W	W)	Acres Attributed 640			
Field RICHFIELD					Reservoir MORRO			Gas Gatherinç APC		hering Conn	ection		
Completi 06/01/20					Plug Eack Total Depti 5300		th	h Pac N A		et at		_	
Casing S 5.5	ize	Weight 15.5#			Internal Diameter 4.95		Set at 5515		Perforations 4988		то 5116		
Tubing S 2.375	ize		Weight 4.7		Internal D 1.995		Set a 4935			rations	To NA		
Type Cor SINGLE		(Describe)	Describe)			d Production				it or Traveling			
Producing TUBING	-	(Annulus / Tub	ing)		% C	arbon Dioxi	ide		% Nitrog	en	Gas Gr	avity -	G,
Vertical E	epth(H)	-			Pres .FLAI	sure Taps NGE	•			(Meter Run) (Prover) Size		rover) Size
Pressure Buildup: Shut in			9/11	2	0 15 at 1	0:00 AM	(AM) (PM)	Taken 09	9/12	20	15 at 10:00	AM	(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 24	Hours
Static / Dynamic Property	Orilio Size (inche	Mete.	Circle one: Meter Prover Pressure psig (Pm)		Flowing Temperature t	Well Head Temperature t	emperature (P_w) or (P_t)		Wellhe	ubing ad Pressure (P _r) or (P _c) psia	Duration (Hours)		id Produced (Barrels)
Shut-In	1.25		•	Inches H ₂ 0			psig 50	psia	42	рыа	24		
Flow													
		Circle one:				FLOW STE	Flowing	IBUTES	<u> </u>				Rowing
Plate Coeffictient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Grav Fact F _s	tor	Temperature Factor F ₁₁	Deviation Factor F _{pv}		Metered Flor R (Mcfd)	W GOR (Cubic Fe Barrel)		Fluid Gravity
								_					
(P _c) ² =		· (P)	2 <u>=</u>		(OPENIFL)		'ERABILITY) % (P	CALCUL ; - 14.4) +		:	(P _a) (P _d)	² = 0.2 ² =	207
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		nose formula 1 or 2 1. $P_0^2 - P_k^2$ 2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_w^2$	LOG of formula 1, o=2, and dwide		Backpres Slop Ass	ssure Curve be = "n" or signed ard Stope		og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		_	-				<u> </u>		 				
O F/-			<u> </u>	Mofd @ 14	GE paid		Deliverab	Illitus			Mcfd @ 14.65 psi		
Open Flo				Mcfd @ 14.									4.4
		gned authority rerein, and tha								ovember	ort and that he ha		20 <u>15</u> .
						Receiv			Merit		Company		
		Witne	ss (il ar	y)	,				Ka	therine l	McClurkan		
		ForCo	mmissi	on		DEC 0 2	ZU10 -			Che	cked by		

CONSERVATION DIVISION WICHITA, KS

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 pelief 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 Murphy C-2										
gas well on the grounds that said well:										
(Check one) is a coalbed methane producer is cycled on plunger ift 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⊃f 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 Received Signature: Katherine McClurkan William William Received Received Regulatory Analyst R										
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.