KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(-	See Instruct	tions on Reve	rse Side,)				
Deliverabile.				Test Date: 07/02/2014			API No. 15 15-175-21140-0000						
Company MERIT ENERGY COMPANY				Lease LIBERA						1-31	Well Number		
County Location SEWARD NW SW NE			Section 31		TWP 34S		RNG (E/W)			Acres Attributed 640			
Field SALLEY					Reservoir MORROW				Gas Gathering Col				
Completion Date 12/01/1990			Plug Back Total Depth		th .		Packer S						
Casing Size			Weigh	t	Internal Diameter 4.052		Set at 6940		Perforations 6132		To 6152		
Tubing Size			Weigh 4.7	·····	Internal E 1.995	Diameter	Set at			ations	To		
2.375 Type Completion (Desc				- 1 11 W - 12 - 12	Type Fluid Production WATER				it or Traveling	r Traveling Plunger? Yes /			
SINGLE-GAS Producing Thru (Annulus / Tubing)				% C	arbon Dioxi	de	% Nitrogen			Gas Gravity - G _g			
TUBING Vertical Depth(H)			****	0.3806	sure Taps	2.8173% os			0.694 (Meter Run) (Prover) Size				
6142		-	07/	04/0044	4.	FLAI			1001004		3.068		
Pressure	Buildu	ıp:	Shut in 07/	01/2014 2	0 at	30 PIVI	(AM) (PM) T	aken 07	702/201	4 20	at1:30 P	<u>IVI</u> (AM) (PM)
Well on L	.ine:		Started	20	0 at		(AM) (PM) T	aken		20	at	(AM) (PM)
					-	OBSERVE	D SURFACE	DATA			Duration of Shut-	in_24	Hour
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t t		(P_w) or (P_t) or (P_o)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		d Produced Barrels)
Shut-In	hut-In		poig (/ iii)	mones ri ₂ 0			20.0	psia	psig 15.0	psia	24		
Flow													
				···		FLOW STF	REAM ATTRIE	UTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension P _m x h	Extension Fact		or Temperature		iation ctor - pv	Metered Flow R (Mcfd)	y GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
		ļ											
(P _c) ² =		:	(P _w) ² =	:	(OPEN FLO		rerability) % (P		ATIONS 14.4 =	:	(P _a) (P _d)	² = 0.2 ² =	07
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	P _c) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Backpressure Curve Slope = "n" Assigned Standard Slope		n x L	.og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				divided by: $P_c^2 - P_w^3$. by:		Standar	a Siope				- '	,oru)
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabil	ty			Mcfd @ 14.65 ps	ia	
		•	•				•			e above repo ECEMBER	ort and that he ha		-
ne facts s	stated	therei	in, and that sa	aid report is true	e and correc	t. Executed	this the 221	<u></u>					₂₀ <u>14</u> .
			Witness (f any)	KANSA	Recei	ived — ION COMMISSIO	M			GY COMPAN	1	
			For Comm	ission		DEC 2	2014	' JANN	IA BUR	ION (Jama Bi	inten	

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator MERIT ENERGY COMPANY
	at 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
	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
	ereby request a one-year exemption from open flow testing for the LIBERAL 1-31
jas we	ll on the grounds that said well:
	(Check one)
	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
	rther agree to supply to the best of my ability any and all supporting documents deemed by Commissic necessary to corroborate this claim for exemption from testing.
Date: _[DECEMBER 22, 2014
	Signature: JANNA BURTON Jama Burton

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.