## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: (See Instructions on Reverse Side)														
Open Flow					Took Date	Test Date: API No. 15								
Deliverabilty					02/16/2015				175-21976-(	0000				
Company MERIT E		GY	COMPANY			Lease DAVIS F				Well Num				
County Location SEWARD 330 FNL & 330 FEL					Section 18				RNG (E.	W)		Acres Attributed 640		
Field LARRABEE NE						Reservoir CHESTER/MORROW				Gas Gathering Connection ONEOK				
Completion Date 06/27/2005				Plug Bac 6282	Plug Back Total Depth 6282				Set at			1		
Casing Size Weight 4.5 10.5				Internal C 4.052	Diameter	Set at . 6342		Perforations 5744		: то 6118				
Tubing Size Weight 2.375 4.7				Internal I 1.995	Diameter	Set at 6126		Perforations		То				
Type Con					Type Flui WATE	d Production R	1			nit or Traveling BEAM PU		/ No		
Producing Thru (Annulus / Tubing) ANNULUS						% Carbon Dioxide 0.3130%				% Nitrogen 8.4170%		Gas Gravity - G <sub>g</sub> 0.774		
Vertical Depth(H) 5931					Pressure Taps FLANGE						(Meter Run) (Prover) Size 3.068			
Pressure Buildup: Shut in 02/16 : 20 15 at 11:30 AM (AM) (							(AM) (PM) T	aken 02	2/17	20	15 at 11:30	AM_ (A	M) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM) 1	aken		20	at	(A	M) (PM)	
					,	OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24	Hours	
Static'/ Dynamic Property	ynamic Size		Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	1 .	Produced arrels)	
Shut-In							22.0				24			
Flow	_							_						
						FLOW STR	EAM ATTRIE	BUTES						
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Motd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Extension Factor		Flowing emperature Factor F <sub>r1</sub>	Deviation Factor F <sub>p</sub> ,		Matered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
					(OPEN FLO	OW) (DELIVI	ERABILITY)	CALCUL	ATIONS		(P <sub>a</sub> )	²= 0.20	7	
(P <sub>c</sub> ) <sup>2</sup> =		_:_	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> =	9	6 (P <sub>e</sub>	- 14.4) +	14.4 =	:	(P <sub>d</sub> )	<u> </u>	<del></del>	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2  1. $P_a^2 \cdot P_a^2$ 2. $P_a^2 \cdot P_d^2$ divided by: $P_a^2 \cdot P_d^2$	1. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> LOG of formula 2. P <sub>a</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 1. or 2. and divide		Backpressu Slope : or Pc² - Pu² Standard		n x	LOG [	Ántilog	Deliv Equals I	n Flow erability R x Antilog Icfd)	
								<u> </u>						
							<u></u>					<u> </u>		
Open Flow Mcfd @ 14.65 ps				65 psia	psia Deliverability			Mcfd @ 14.65 psia						
		_	-				· ·				rt and that he ha			
the facts st	tated t	herei	n, and that sa	aid report is true	e and correct	t. Executed	this the SUI			ovember rit Energy (	Company	, 20	15	
			Wilness (	f any)	к		icelved — RATION COMM	econo.		For	Company		<u> </u>	
			For Comm	ission			0.2 2015	OO ON	K	atherine M	cClurkan ked by			

ai co	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 fequipment 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 Davis F 1
ga	as well 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
st	I further agree to supply to the best of my ability any and all supporting documents deemed by Commission taff as necessary to corroborate this claim for exemption from testing.
D	ate: November 30, 2015
	Signature: Katherine McClurkan Walhaum McLurkan  Title: Regulatory Analyst  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.