## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test: (See Instructions on Reverse Side)														
Open Flow				Tost Date	Test Date:				No. 15					
Deliverabilty					03/22/2015			API No. 15 15-175-21140-0000						
Company MERIT ENERGY COMPANY					Lease LIBERAL			_	1-31	Well Number 1-31				
County Location SEWARD NW SW NE					Section 31		TWP 34S				Acres Attributed 640			
Field SALLEY						Reservoir MORROW		Gas Gathe ONEOK		hering Conn K	ection			
Completion Date 12/01/1990			-		Plug Back Total Dept		oth	Packer Set at		Set at				
Casing Size 4.5			Weigh 10.5	nt	Internal Diameter 4.052		Set at 6940		Perforations 6132		то 6152			
Tubing Size 2.375			Weigł 4.7	nt	Internal Diameter 1.995		Set at 6091		Perfo	rations	То			
Type Completion (Describe) SINGLE-GAS				Type Fluid Production WATER				Pump Ur NO	Plunger? Yes / No					
Producing Thru (Annulus / Tubing) TUBING				g)	% C	ide	% Nitrogen 2.8173%			Gas Gravity - G <sub>0</sub> 0.694				
Vertical D	epth(F	1)				Pres	sure Taps NGE				(Meter F 3.068	•	over) Size	
	Buildu	p:	Shut in 03/	22	15 at 1	5 at 1:30 PM (AM) (PM) Ta			3/23	20	15 at 1:30 PM (AM) (PM)		AM) (PM)	
Well on L	ine;		Started	2	20 at		(AM) (PM)	Taken		20	at	(.	AM) (PM)	
		7.				OBSERVE	ED SURFAC	E DATA			Duration of Shut-	in 24	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressi		Temperature Temperatu		e Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$		Dura <b>f</b> on (Hours)	Liquid Produced (Barrels)		
Shut-In	Shut-In		psig (Pm)	Inches H <sub>2</sub> 0	3		psig psi 12.0		psig psia		24			
Flow								_	-					
r <del> </del>	<del></del>		· .	<del></del>		FLOW STE	REAM ATTR	IBUTES						
Plate Coeffieclent (F <sub>b</sub> ) (F <sub>p</sub> ) Mold		Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> xh	Extension Fact		Flowing Temperature Factor	Deviation Factor Services		Metered Flow R (McId)	v GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G <sub>m</sub>	
					_									
					(OPEN FL	OW) (DELIV	/ERABILITY	) CALCUL	ATIONS		(P <sub>a</sub> ) <sup>3</sup>	2 = 0,20	07	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> =		% (F	o - 14.4) +	14.4 =	<del>:</del>	(P <sub>d</sub> )			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. $P_c^2 \cdot P_a^2$ 2. $P_c^2 \cdot P_d^2$ divided by: $P_c^2 \cdot P_d$	1. P <sub>c</sub> <sup>2</sup> · P <sub>a</sub> <sup>2</sup> LOG of formula 2. P <sub>c</sub> <sup>2</sup> · P <sub>d</sub> <sup>2</sup> 1. or 2. and divide		Backpr Sic P.2 - P.2 A Stan		nx	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (McId)		
Open Flow Mcfd @ 14.65				.65 psia	psia Deliverability				Mcfd @ 14.65 psia					
				n behalf of the						ne above repo lovember	ort and that he ha		edge of	
			,								v Company	,-		
Witness (il any)					KANSA	Received KANSAS CORPORATION COMMISSION				Merit Energy Company ForCompany Katherine McClurkan				
			ForCom	nission	<del></del> ·	DEO 0.2 0046				Checked by				

DEC 0 2 2015

; ;
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 Liberal 1-31
gas 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
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
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Received Signature: Katherine McClurkan Analyst  Kansas corporation commission  Title: Regulatory Analyst
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.