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

Type Tes	t:				d	See Instruc	tions on Rev	erse Side	9)					
Open Flow				Tool Det	Test Date: API No. 1									
Deliverabilty					Test Date: 07/01/2015				175-21633-(	0000				
Company MERIT ENERGY COMPANY					Lease MALIN							Well Number A-4		
County Location SEWARD 800' FNL & 1700' FEL				Section 34		TWP 33S			/W)	Acres Attributed 640		Attributed		
Field ARCHER					Reservoi LOWER	MORROV	V	Gas Gathering APC		thering Conn	ection		• • .	
Completi 07/27/19		e	•		Plug Back Total Depti 6100'		th	Packer Set at NA'		Set at		_		
Casing S 5.5	ize		Weigh 15.5#		Internal Diameter 4.95		Set at 6457'		Perforations 5957'		то 5974'			
Tubing Size			Weigh	t	Internal Diameter		Set at		. Perforations		To			
2.375 Type Completion		i (Di	4.7		1.995 Type Fluid Production		6130'		NA Pump Unit or Traveling		NA Plunger? Yes / No			
SINGLE GAS			530(156)		• •	WATER				NO		inger: 163 / 140		
Producing TUBIN		(Anı	nulus / Tubin	g)	% C	arbon Dioxi	de		% Nitrog	jen	Gas 0	aravity -	G <sub>g</sub>	
Vertical E 5965'	epth(H	)		rt ç	к -	Pres: FLAI	sure Taps	•			(Meter	r Run) (i	Prover) Size	
Pressure	Buildu	o:	Shut in	01 2	20_15 at ±9:	:30 AM	(AM) (PM)	Taken 07	7/02	20	15 at 9:30	AM_	(AM) (PM)	
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken	<del></del>	20	at		(AM) (PM)	
						OBSERVE	D SURFACE	DATA	_		Duration of Shu	t-in_24	Hours	
Static / Orifice Dynamic Size Property (inches)		9	Circle one: Pressure Meter Differential Prover Pressure psig (Pm) Inches H <sub>2</sub> 0		Flowing_ Temperature t	Temperature Temperature		Casing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$		Tubing ead Pressure r (P <sub>1</sub> ) or (P <sub>p</sub> )	Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	.75		paig (; iii)	inches 7/ <sub>2</sub> 0			93.0	psia	psig	psia	24			
Flow														
	<del></del>					FLOW STR	EAM ATTRI	BUTES						
Plate Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Clicle one: Meter or Prover Pressure psia		Press Extension	Extension Fact		Flowing Femperature Factor	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	y GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G <sub>m</sub>	
	T				`									
					(OPEN EL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		/D	,)².= 0.	207	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>e</sub> =		% (P	<sub>c</sub> - 14.4) +	14.4 = _	:		,)		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2$		Choose formula 1 or 2  1. $P_a^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w$	1, P <sub>d</sub> - P <sub>d</sub> LOG of formula 2, P <sub>d</sub> - P <sub>d</sub> 1, or 2 and divide		Backpre Stop		n x	LOG	Antilog	De	Dpen Flow Hiverability Is R x Antilog (Mofd)	
										<u>-</u>		Щ_		
Open Flo	<u>w</u> _	Mcfd @ 14.65 psia				Deliverability			Mcfd @ 14.65 psia					
		-	-	n behalf of the	· ·					ne above repo lovember	rt and that he h		wledge of 20 15 .	
						_	eceived _		Me	erit Energ	y Compan	у		
			Wilness (i	l any)			ORATION COM	MISSION		For C	McClurkar		_	
· · ·			ForComm	ission		DFC	0 2 201	5			ked by			

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 Malin A-4									
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 on vacuum at the present time; KCC approval Docket No									
is not capable of producing at a daily rate in excess of 250 months									
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									
The second of th									
Signature: Katherine McClurkan Yalluwa MClurk									
Received  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.