KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruc	tions on Reve	erse Side	·)				
Op	en Flo	w			~ . ~ .					N- 45			
Deliverabilty				Test Date: 03/01/2015				API No. 15 15-189-21805-0000					
Company MERIT E		GY	COMPANY	· _			Lease SPIKES	G			1	Well Nu	nber
County STEVENS			Location 660 FSL & 660 FWL		Section 17		TWP 31S		RNG (E/W) 38W		Acres Attributed 640		
Field PERRIL	L SW				Reservoir	MORRO\	N	.	Gas Gat	hering Conn	ection		
Completion 012/01/1		e		-	Plug Bas 5764	Plug Back Total Dept 5764		th Pr		Set at			
Casing S 5.5	ize		Weigh 15.5#		Internal E	Diameter	Set at 6040	· · · · · ·	Perfo 564	rations 2	то 5664		
Tubing Si	ize		Weigh			To NA							
Type Con			escribe)			d Production	າ	***************************************	Pump Ur YES	nit or Travellng	Plunger? Yes	/ No	
	3 Thru		nulus / Tubing)	% 0	arbon Dioxi	de	<u> </u>	% Nitrog	en	Gas Gr	avity - G	9
Vertical C		i)	.			Pres	sure Taps				(Meter F	Run) (Pr	over) Size
5653					re c	FLA	VGE		•		3		
Pressure Buildup: S		Shut in03/0	01 2	15 at 1	15 _{at} 10:00 AM		(AM) (PM) Taken 03		20	15 at 10:00 AM (AM)		AM) (PM)	
Well on L	.ine:		Started	2	0 at		(AM) (PM) 1	aken		20	at	(AM) (PM)
				<u> </u>		OBSERVE	D SURFACE	DATA		<u> </u>	Duration of Shut-	_{in 24}	Hours
Static / Dynamic Property	Orifi Siz (inch	е	Gircle one: Meter Prover Pressu psig (Pm)	Pressure Differential re in Inches H,0	Flowing Temperature I	Well Head Temperature t	Casin Wellhead P (P _w) or (P _t)	ressure or (P _c)	ه (P _w) ه	Tubing ad Pressure (P_t) or (P_a)	Duration (Hours)		Produced larrels)
Shut-In	1.0		paig (i m)	menes 1120			psig 33	psia	psig	psia	24		
Flow													
	т					FLOW STR	EAM ATTRIE	BUTES					
Plate Coeffiec (F _b) (F Mcfd	ient 。)	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m xh	Grav Fact F _g	or	Flowing femperature Factor F ₁₁	Fa	Deviation Metered Flow GOR Factor R (Cutic Feet/ F _{pv} (Mcfd) Barrel)		Flowing Fluid Gravity G _m		
	l												
.=			4- 10			, ,	ERABILITY)				-	= 0.20)7
(P _c) ² =		<u>:</u>	(P _w) ² =	Choasa formula 1 or 2	P _a =		1	- 14.4) +	·		(P _a) ⁽		
(P _c) ² - (I or (P _c) ² - (I	- 1	(F	P _c)² - (P _w)²	1. P _e ² - P _e ² 2. P _e ² - P _d ²	LOG at formula 1. or 2. and divices	P _c ² - P _w ²	Slope Assi	cure Curve == "n" pr gned d Slope	пх	LOG	Antilog	Deli Equals	en Flow verability R x Antilog Mc(d)
				divided by: $P_c^2 - P_w$	by:	<u> </u>	Standa	d Slope_	-			•	
								_				== -	
Open Flo	w			Mcfd @ 14,	65 psia	•• •	Deliverabili	ty			Mcfd @ 14.65 psi	a	
		•	•		• •		•			ne above repo	rt and that he ha		edge of
the facts s	tated I	nerei	in, and that sa	id report is trui	e and correc	_	this the				gy Compan	,	······································
	-		Witness (i	any)	KAI		RATION COMMIS	SION	IV	For	Сотралу	-	
			ForComm	ission		DEC	0 2 2015		•		ne McClurka cked by	an	

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 Spikes G-1 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
Received KANSAS CORPORATION COMMISSION DEC 0 2 2015 CONSERVATION DIVISION WICHITA, KS Signature: Katherine McClurkan Youwu MCLuut Regulatory Analyst Regulatory Analyst

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.