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

type test				(•	see msnach	ons on nev	cise side	,		•		
	en Flow liverabilty			Test Date 06/17/20				API 15-	No. 15 175-21621	0000		
Company MERIT E		COMPANY	THE CONTRACT OF THE CONTRACT O			Lease BROWN	*				Well Nu	mber
County Location SEWARD 400' FNL & 400' FEL		Section 6				RNG (E/W) 32W			Acres Attributed 640			
Field CONDIT	•		,	Reservoir LOWER	MORROW	// CHESTE	R D	Gas Gat APC	hering Conne	ection		
Completic 07/19/19				Plug Baci 6250'	Total Depth	า		Packer S NA	Set at ·			-
Casing S 5.5	ize	Weight 15.5#		Internal D 4.95	Diameter	Set at 6509		Perfo 601	rations 2'	то 6189'		
Tubing Si 2.375	ize	Weight 4.7#		Internal D 1.995	Diameter	Set at 6044		Perfo NA	rations	To NA		
	npletion (D	escribe)		Type Fluid	d Production			Pump Ur	nit or Traveling	Plunger? Yes	/ No	
·	g Thru (An	nulus / Tubing)		% C	arbon Dioxic	le	•	% Nitrog	en	Gas G	ravity - G	ì <sub>0</sub>
Vertical D	_		W 100 - 100		Press FLAN	ure Taps				(Meter	Run) (Pr	over) Size
	Buildup:	Shut in06/17	7/2013 20	at_3:			Taken_06	8/18/201	13 20	at_3:00 F	PM(	AM) (PM)
Well on L	.ine:	Started	20	) at		(AM) (PM)	Taken		20	at	(	AM) (PM)
					OBSERVE	D SURFACE	DATA			Duration of Shut	:-in	Hou
Static / Dynamic Property	Orifice Size (inches)	Circle one:  Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead F (P <sub>w</sub> ) or (P <sub>t</sub> psig	Pressure	Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	l '	
Shut-In	.75		-				90	porg	75	24		
Flow		<u> </u>					<del></del>			·		
					FLOW STR	EAM ATTRI	BUTES					
Plate Coeffied (F <sub>b</sub> ) (F Mofd	cient p) Pr	Circle one:  Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fact	tor T	Flowing emperature Factor F <sub>11</sub>	Fa	iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G <sub>m</sub>
				<u> </u>								
(P <sub>c</sub> ) <sup>2</sup> =	:	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FL	OW) (DELIVI %		CALCUL + (14.4 -		:		) <sup>2</sup> = 0.2 ) <sup>2</sup> =	07
(P <sub>c</sub> ) <sup>2</sup> - ( or (P <sub>c</sub> ) <sup>2</sup> - (	_	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	noose formula 1 or 2: 1. $P_c^2 \cdot P_a^2$ 2. $P_c^2 \cdot P_d^2$ vided by: $P_c^2 \cdot P_w^2$	LOG of formula 1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slop	sure Curve e = "n" origned ard Slope	n x	roe	Antilog	Deli Equals	en Flow verability R x Antilog (Mcfd)
					·							
Open Flo	w		Mcfd @ 14.6	65 psia		Deliverabi	lity	•.		Mcfd @ 14.65 p	sia	
	•	•				_			•	rt and that he h		ŭ
he facts s	stated there	ein, and that said	d report is true	and correc	t. Executed	this the 7t	<u>n</u>	day of	lovember	110	, ;	20 13
	<del>,</del> Es ,	Witness (if a	any)			_			For C	Company		
		For Commiss	sion			_			Che	cked by		

	· , '							
	War at a							
I declare unde		laws of the state of Kansas	that I am authorized to request					
exempt status unde	r Rule K.A.R. 82-3-304 on beh	alf of the operator MERIT EN	IERGY COMPANY					
			s application form are true and					
correct to the best of	of my knowledge and belief ba	sed upon available production	n summaries and lease records					
of equipment install	ation and/or upon type of comp	eletion or upon use being mac	de of the gas well herein named.					
I hereby reques	st a one-year exemption from o	pen flow testing for the BRC	DWN K-1					
gas well on the gro								
(Check o	one)							
	is a coalbed methane produce	•						
	is cycled on plunger lift due to water							
	is a source of natural gas for ir	ijection into an oil reservoir u	ndergoing ER					
	is on vacuum at the present tin	ne; KCC approval Docket No.						
$\checkmark$	is not capable of producing at	a daily rate in excess of 250	mcf/D					
_	•		ocuments deemed by Commission					
staff as necessary	to corroborate this claim for ex	emption from testing.						
Date: 11/07/2013	···							
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			•					
÷		ire: M Cheyl	Paris.					
٠.	Signatu	ire:	T MUCH					
	Т	tle: REGULATORY ANALY	/ST					
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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.

NOV 1 4 2013

**RECEIVED**