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

Type Test:				(	See Instruct	ions on Rev	erse Side	)				
Open	Flow			<b>.</b>								
<b>√</b> Delive	erabilty			Test Date 01/24/20					10. 15 75-20421 <b>- 0</b>	001		
Company MERIT EN	IERGY	COMPANY				Lease UNDER	WOOD			A-2	Veli Num	nber
County Location SEWARD 1980' FSL & 1980' FWL			Section 23		TWP 34		RNG (E/W) 34W		Acres Attributed 640		tributed	
Field ADAMSON				Reservoir LOWER MORROW				Gas Gathering Connection APC				
Completion Date 08/20/1980				Plug Back Total Depth 6320'				Packer Se NA	et at			
Casing Size Weight.5 10.5				Internal D 4.05	Internal Diameter 4.05		Set at 6510'		Perforations 6070'		т <sub>о</sub> 6097'	
Tubing Size Weight 2.375 4.7#			Internal D 1.995	iameter	Set at <b>6468</b> '		Perforations NA		To NA			
Type Completion (Describe) SINGLE GAS				Type Fluid Production NO				Pump Unit or Traveling Plunger? Yes / No PUMPING UNIT YES				
Producing T	Thru (An	nulus / Tubing)	)	% C	arbon Dioxi	de		% Nitroge	n	Gas Gra	ıvity - G	<u> </u>
Vertical Depth(H) 6084'				Pressure Taps FLANGE						(Meter F	lun) (Pro	over) Size
Pressure Bu	uildup:	Shut in01/2	24/2013 2	0 at _9	MA 00.	(AM) (PM)	Taken_01	/25/2013	3 20 _	at_9:00 Al	<u>M</u> (#	AM) (PM)
Well on Line	e:	Started	2	0 at		(AM) (PM)	Taken		20	at	(A	NM) (PM)
					OBSERVE	D SURFACE		1		Duration of Shut-i	์ก	Hours
Static / Dynamic Property	Orifice Size (inches)	Circle one:  Meter  Prover Pressur  psig (Pm)	Pressure Differential in Inches H <sub>0</sub> 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>2</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In (	0.63		2			paig	25	parg	15	24		
Flow												
	-				FLOW STE	REAM ATTR	IBUTES					
Plate Coefficcier (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> x h	ctension Fac		Flowing Temperature Factor F <sub>II</sub>	perature Factor F		Metered Flow 뭐 (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>
(P <sub>c</sub> ) <sup>2</sup> =	<u></u> :	(P <sub>w</sub> ) <sup>2</sup> =_	:	(OPEN FL	OW) (DELIV		) CALCUL <sub>c</sub> - 14.4) +		:	(P <sub>a</sub> );	2 = 0.20 2 =	)7
$(P_c)^2 - (P_s)$ or $(P_c)^2 - (P_d)$	H	$(P_c)^2 \cdot (P_w)^2$ Choose formula 1 or 2: 1. $P_c^2 \cdot P_a^2$ 2. $P_c^2 \cdot P_c^2$ divided by: $P_c^2 \cdot P_w^2$		LOG of formula 1. or 2. and divide by:		Backpressure Curv Slope = "n" or  Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (McId)	
Open Flow			Mcfd @ 14.	65 psia		Deliverat	oility		M	//dcfd @ 14.65 psi	a	
	•	ed authority, on ein, and that sa				•		o make the	-	t and that he ha		edge of 20 13 .
		Witness (if				-			mcy	O xmpany	<del>K</del> (	<del>SC W</del> !
											<u>#</u> -;	IOV7 - 2 0
		For Commi	Dores						Check	IBO DY	N	OV 12
												RECE

exempt status und and that the foreg correct to the best of equipment insta	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator MERIT ENERGY COMPANY oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records llation and/or upon type of completion or upon use being made of the gas well herein named.
	est a one-year exemption from open flow testing for the UNDERWOOD A-4 bunds that said well:
_	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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
	Signature: M. Cheyl Paties  Title: 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 **1S** 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.