KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	ions on Reve	erse Side	9)					
Open Flow			Took Doko			• 50								
Deliverabilty			Test Date: 03/14/2015			API No. 15 15-175-21752-0000								
Company MERIT E		GY	COMPANY	k			Lease HEADRI					Well Nu A- 3	ımber	
County Location SEWARD 600' FSL & 1980' FEL			Section 11		TWP 35S		RNG (E/W) 34W			Acres Attributed 640				
Field ARCHEI	R				Reservoir LOWER		V/CHESTEI	₹	Gas Gai	thering Conn	ection			
Completion 10/1998		е	-		Plug Bac 6641'	k Total Dept	h		Packer S	Set at				
Casing S 5.5			Weight 15.5#			Internal Diameter 4.95		Set at 6719'		rations 4"	то 6192	То 6192'		
Tubing S 2.375	Tubing Size 2.375		Weigh 4.7#	Internal D 1.995		Diameter Set at 6159'		l	Perforations NA		To NA			
Type Con Commit			escribe)		Type Fluid WATE	d Production	ו		Pump U	nit or Traveling	Plunger? Ye	s / No		
		(An	nulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	jen	Gas	Gravity -	G,	
TUBING Vertical D		1)				Press	sure Taps				(Mete	er Run) (F	rover) Size	
6173'	. ,	,				FLAN	NGE 🕟				4			
Pressure	Buildu	p:	Shut in	14 2	0 15 at 8	:30 AM	(AM) (PM) 1	aken_03	3/15	20	15 at 8:30	AM	(AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM) 1	aken		20	at		(AM) (PM)	
		-				OBSERVE	D SURFACE	DATA			Duration of Sh	ut-in_24	Hours	
Static / Dynamic Property	Orifi Siz (inch	e	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H _a 0	Flowing Temperature t	Well Head Temperature t	Casin Wellhead P (P _w) or (P ₊)	ressure	Wellhe	Tubing ead Pressure or (P _t) or (P _c)	Ouration (Hours)		id Produced Barrels)	
Shut-In	.75		p.3 ()				350.0	psia	psig	psia	24			
Flow			-										·	
						FLOW STR	EAM ATTRIE	BUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psla		Extension Fa		rity tor	Flowing Temperature Factor F _{f1}	nperature Factor F		Metered Flow R (Mcfd)	y GO (Cubic Barr	Feet/	Flowing Fluid Gravity G _m	
.=					-	, ,	ERABILITY)					$(a_3)^2 = 0.2$	207	
(P _c) ^{2.} =		_:_	(P _w) ² =	Choose formula 1 or 2	P _d ≅	 ,	T	- 14.4) +		:	<u>(</u> †	o _d) ₂ =		
(P _c) ² - (I or (P _a) ² - (I	4,	(F	P _c) ² - (P _w) ²	1. $P_c^{\cdot 2} - P_s^{\cdot 2}$ 2. $P_c^{\cdot 2} - P_d^{\cdot 2}$ sivided by: $P_c^{\cdot 2} - P_d^{\cdot 2}$	LOG of formula 1. or 2. and divide	P. 2 - P. 2			n x	LOG	Antilog	De Equal	pen Flow liverability s R x Ant∎og (Mcfd)	
												<u> </u>		
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabili	ty			Mcfd @ 14.65	psia		
										ne above repo lovember	rt and that he		ledge of 20 15 .	
me racis s	nated (nere	m, and mat sa	id report is tru		Re	CEIVED CRATION COMM		uuy 01		y Compar			
			Wilness (i	any)		nfc.	0 2 2015			For (e McClurk	_		
			For Comm	ssion			WION DIVISION				cked by			

CONSERVATION DIVISION WICHITA, KS

	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request us under Rule K.A.R. 82-3-304 on behalf of the operator Merit Energy Company
	e foregoing pressure information and statements contained on this application form are true and
•	ne best of my knowledge and belief based upon available production summaries and lease records
	nt installation and/or upon type of completion or upon use being made of the gas well herein named.
	request a one-year exemption from open flow testing for the Headrick A-3
	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
• 1:1	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
l furthe	r agree to supply to the best of my ability any and all supporting documents deemed by Commission
	ressary to corroborate this claim for exemption from testing.
siaii as riec	ressary to corresorate this claim for exemption from testing.
Date: Nove	ember 30, 2015
	"
	Received KANSAS CORPORATION COMMISSION Signature: Katherine McClurkan Volhaum MCClurk
	DEC 0 2 2015 Title: Regulatory Analyst
	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.