KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruc	tions on Revi	erse Side	9)			
Op	en Flov	N			T D				4.50	N- 45		
√ De	liverab	ilty			Test Date 03/12/20					No. 15 189-20427 -	00-00	
Company MERIT		GY	COMPANY				Lease SHELL					Well Number 3-13
County Location STEVENS 1250' FNL & 2570' FEL			Section 13				RNG (E.	W)		Acres Attributed 640		
Field GENTZI	LER				Reservoir	MORROV	N		Gas Gat	hering Conn	ection	
Completi 12/07/19		е			Plug Bac 6125'	Plug Back Total Depth 6125'			Packer 8 NA	Set at		
Casing Size Weight 4.5 11.6#				Internal Diameter 4.0		Set at 6180 '		Perforations 6013'		то 6082'		
Tubing Size 2.375			Weight 4.7	!	Internal D 1.995		Set at 5985			rations	To NA	
Type Cor SINGLE			escribe)			Type Fluid Production WATER			Pump Unit or Traveling Plunger? Yes / No YES			
Producing	g Thru	(Anı	nulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G _g
TUBING	-											
Vertical E	Depth(H)				Pres FLAI	sure Taps				(Meter I	Run) (Prover) Size
	Buildu	 o:	Shut in 3/12	2 2	0 11 at 3			Taken 3/	13	20	11 at 3:00 P	M(AM) (PM)
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
			· · · · · · · · · · · · · · · · · · ·			OBSERVE	D SURFACE	DATA			Duration of Shut-	in Hours
Static / Orifice Dynamic Size Property (inches)		9	Circle one: Meter Prover Pressuit psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psla		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shul-In	1.0	<u> </u>					parg	82	parg	54	24	
Flow					:							
					·	FLOW STR	EAM ATTRI	BUTES			· · · · · · · · · · · · · · · · · · ·	
Coeffiec	Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia	Press Extension P _m xh	Grav Fact	tor	emperature Fac		riation Metered Flow Inctor R F _{pv} (Mcfd)		v GOR (Cubic Fe Barrel)	Genuity
L												
(P _c) ² =	<u> </u>	_:	(P _w) ² =	:	(OPEN FLO		ERABILITY) % (P _e	CALCUL - 14.4) +		:	(P _a) (P _d)	² = 0.207 ² =
(P _e) ² - (I		(F)²- (P¸)²	1, P _a ² -P _a ² 2, P _a ² -P _d ² wided by: P _a ² -P _a ²	LOG of formula 1, or 2, and divide	P ₀ ² -P _w ²	Slope 	sure Curve = "n" or gned rd Slope	nx	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
				· · · · · · · · · · · · · · · · · · ·								
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd © 14.65 psi	a
		_	•				•			•	rt and that he ha	•
the facts s	tated th	erei	n, and that sa	id report is true	and correc	t. Executed	this the _28	TH	day of _D	ECEMBER	2.2	, 20 <u>11</u> .
			Witness (if	any)			_			For C	Company (RECEIVED
			For Commi	ssion			_		<u> </u>	Chec	ked by	AN 0 4 2012

KCC WICHITA

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.
I hereby reque	est a one-year exemption from open flow testing for the SHELL 3-13
gas well on the gro	ounds 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 at 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: MCQuutana 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 **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.