KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:			ſ	See Instruct	ions on Rev	erse Side)			
Op	en Flow			T D				4.01	No. 45		
De	eliverabilty	-		Test Date 01/16/20					No. 15 175-30030-0	0000	
Company MERIT (COMPANY				Lease HOWLAI	VD				Well Number A-1
County SEWAR	:D	Location 1980' FNL	n & 1980' FWL	Section 34		TWP 33S		RNG (E/ 34W	(W)		Acres Attributed
Field SHUCK				Reservoir LOWER	MORROV	٧		Gas Gat	thering Conn	ection	
Completi 07/02/19				Plug Bac 5985'	k Total Dept	h		Packer S NA'	Set at		
Casing S 4.5	iize	Weight 9.5#		Internal E 4.09	Diameter	Set at 6361		Perfo 592	14.0113	т _о 59 73 '	-
Tubing S	ize	Weight			Diameter	Set at			rations	To	
2.375	moletion /F	4.7		1.995	d Production	6159		NA Bump H	nit or Traveling	NA Plunger? Yes	/ No
SINGLE	npletion (D E GAS	rescribe)		WATE		1		NO	iii or maveling		
Producing TUBING	-	nulus / Tubing)		% C	arbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G _g
Vertical E 5964'	Depth(H)		,		Press PIPE	sure Taps		, .		(Meter 3	Run) (Prover) Size
Pressure	Buildup:	Shut in _01/1	3 2	0_15 at_8	:00 AM	(AM) (PM)	raken_01	/17	20	15 at 8:00 A	M (AM) (PM)
Well on L	ine:	Started	2	0 at		(AM) (PM)	raken		20	at	(AM) (PM)
	, ,				OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24 Hours
Static / Dynamic Property	Orilice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	(P _w) or (P ₁)	ressure or (P _c)	Wellhe	Tubing ead Pressure r (P ₁) or (P ₂)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	.50	poig (1 m)	mones 11 ₂ 0	<u> </u>		230.0	psia	psig	psia psia	24	
Flow											
	· · · · ·				FLOW STR	EAM ATTRI	BUTES				
Plate Coeffiec (F _b) (F Mcfd	eient (p) Pr	Circle one: Meter or over Pressure psia	Press Extension √ P _m x h	Grav Fact F _g	or T	Flowing emperature Factor F _{II}	Fa	ation ctor	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	1 Gravitu
<u></u>				<u> </u>			<u> </u>				
(P _c) ² =	:	(P _w) ² =	:	(OPEN FLO	OW) (DELIV	ERABILITY)	CALCUL - 14.4) +		;	(P _a)	² = 0.207
(P _c) ² - (I		P _c) ² -(P _w) ²	2. P ₂ ² -P ₃ ²	LOG of formula 1. or 2. and divide	b.5- b.8	Backpress Slope 	sure Curve = "n" or gned d Stope	n x !	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
<u> </u>	-	dh	ided by: Pc² - Pw	by:	<u> </u>	Jianual	- Olope	-			
Open Flo	w		Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd @ 14.65 ps	ia
										irt and that he ha	
the facts s	tated there	in, and that said	l report is true	and correct	t. Executed	this the 30	<u></u>		lovember		, 20 15
		Witness (if a	ny)	- Kan	Rec	eived —		Merit	Energy C	Company	-
		For Commiss				2 2015	SION 	Kat	herine Me		
						4					

exempt st and that t correct to of equipm I here	lare under penalty of perjury under the laws of the state of Kansas that I am authorized to request tatus under Rule K.A.R. 82-3-304 on behalf of the operator Merit Energy Company the foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records nent installation and/or upon type of completion or upon use being made of the gas well herein named. Beby request a one-year exemption from open flow testing for the Howland A-1
gas well c	on the grounds 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
	ner agree to supply to the best of my ability any and all supporting documents deemed by Commissic ecessary to corroborate this claim for exemption from testing.
Date: <u>No</u>	Received KANSAS CORPORATION COMMISSION 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.