KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			(3	See Instructi	ions on Reve	erse Side,)			•	
Ор	en Flow											
✓ Deliverabilty			Test Date: 11/01/2013				API No. 15 15-081-10194 - 0000					
Company MERIT E		Y COMPANY	-			Lease COLLING	SWOOD	AJ		V	Vell Number 5	
County Location HASKELL 1980 FSL & 660 FWL			Section TWP 4 29			RNG (E/W) 34W			Acres Attributed			
Field EUBANK			Reservoir MORROW/KANSAS CITY				Gas Gath	ering Conne	ection			
Completion Date 03-06-1991			Plug Back Total Depth 5340				Packer Set at NA			•		
Casing Si 5.5	Casing Size Weight 5.5 15.5#			Internal Diameter 4.95		Set at 5480		Perforations 4554		то 5304		
Tubing Si 2.375	ubing Size Weight		it	Internal Diameter		Set at 5176		Perforations NA		To NA		
Type Completion (Describe) COMMINGLED(Gas + Oil)			Type Fluid Production SALTWATER			Pump Unit or Traveling PUMP UNIT						
		(Annulus / Tubin			arbon Dioxi	de ,	,	% Nitroge		Gas Gra		
ANNUL	.US	•									y	
Vertical D	Pepth(H)		,		Press FLAN	sure Taps NGE				,	tun) (Prover) Size R RUN - 2"	
Pressure	Buildup	: Shut in 11/	01/2013 2	0 at_8	MA 00:	(AM) (PM)	Taken_11	/02/201	3 20	10 at 8:00 Al	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-i	n_24Hours	
Static / Dynamic Property	ynamic Size Prove		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t t		(P_w) or (P_1) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	.75	p-3 (***)				psig 100	psia	psig	psia	24	1	
Flow												
			T	,	FLOW STR	EAM ATTRII	BUTES					
Plate Coeffied (F _b) (F Motd	cient	Circle one: Meter or Prover Pressure psia	Press Extension √ P _m xh	Grav Fact	tor	Flowing Femperature Factor	Fa	ation ctor pv	Metered Flov R (Mcfd)	y GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m	
(P _c) ² =		_: (P _w)² =		(OPEN FLO		ERABILITY) % (P.	CALCUL - 14.4) +			$(P_{a})^2 \\ (P_{d})^2$	= 0.207	
(P _c) ² - (-	(P _e) ² - (P _w) ²	Choose formula 1 or 2 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpres Slope Assi	sure Curve e = "n" origned rd Slope	nxl	.og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo			Mcfd @ 14	GE pain		Dalivarahi				Mcfd @ 14.65 psi		
· ·		anad authority o		•	totos that h	Deliverabil		o mako th		ort and that he ha	· · · · · · · · · · · · · · · · · · ·	
		nerein, and that s				•			ovmeber		, 20 <u>13</u>	
								ENERGY	COMPANY			
	* 5"	Witness	(if any)	• ,	*	_		•	For (Company	•	
		ForCom	nission			_			Che	cked by		

	# 19 12 3 G
i declare und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	ler Rule K.A.R. 82-3-304 on behalf of the operator MERIT ENERGY COMPANY
and that the foreg	poing pressure information and statements contained on this application form are true and
correct to the best	of my knowledge and belief based upon available production summaries and lease records
of equipment insta	allation 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 COLLINGWOOD AJ 5
gas well on the gr	ounds that said well:
(0)	
(Check	
	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
\Y _	is not capable of producing at a daily fale in excess of 230 meno
I further agree	e to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessar	y to corroborate this claim for exemption from testing.
Date: 11/07/2013	. • . 1
Jate: 11/01/2015	
	Signature: M Chery Patrice
	Title: REGULATORY ANALYST
	Tiue.
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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.

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