KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Open Fi					Test Date):			API 007:	No. 15 23401 - O (0-00			
Company M & M Explo	ration	, Inc.					Lease Z Bar	· · · · · · · · · · · · · · · · · · ·		20401		Well Num	ber	
County Location				Section	TWP	WP RNG (E/W)		W)	Acres Attributed					
Barber C NE/4NE/4			24		34				160					
Field Aetna			Reservoir Mississippian				Gas Gathering Connection ONEOK			F	RECEIVE			
ompletion Date /18/2009			Plug Bac 5175'	k Total Dep	oth	Packer S None		et at		0	CT 18 2			
sing Size Weight 5 10.5			Internal E 4.052	Diameter		Set at 5220'		ations }'	4922' KC		ر ۱۸۷۰			
ubing Size Weight 4.7			Internal E 1.995	Diameter		Set at 4958'		ations	То	RECEIVE 0CT 1-8-2 922' KCC WICH				
Type Completion (Describe) Single (Gas)			Type Fluid Production Saltwater/Crude				Pump Unit or Traveling Plunger? Yes / No Pump Unit							
roducing Thr	u (Anr	ulus / Tubir	ng)		% Carbon Dioxide				% Nitrogen			Gas Gravity - G _g		
nnulus			0.126				0.582		.6228					
ertical Depth	(H)					Pres	ssure Taps				(Meter I	Run) (Prov	ver) Size	
ressure Build	lup: :	Shut in Fe	b. 7	20	12 at 1	0:00	. (AM) (PM)	Taken_F	eb. 8	20	12 at 10:00	(A	M) (PM)	
Vell on Line:	:	Started		20	0 at		. (AM) (PM)	Taken		20	at	(A!	M) (PM)	
						OBSERVE	ED SURFAC				Duration of Shut-	in	Hours	
,	ifice	ze Prover Pressu		essure erential	Flowing	Well Head	Casing Wellhead Pressure		Tubing Weilhead Pressure		Duration	Liquid F	Liquid Produced	
	hes)			in Inches H _a 0	Temperature t	Temperature t	(P _w) or (I	P ₁) or (P ₀)		(P ₁) or (P _c)	(Hours)	(Ba	(Barrels)	
Shut-In		psig (Pm	inch	es H ₂ U			psig 110	psia 124.4	psig	psia				
Flow														
						FLOW ST	REAM ATTE	RIBUTES				- · · · · · · · · · · · · · · · · · · ·		
Plate Coefficcient		Circle one: Meter or ver Pressure	Exte	ress ension	Grav Fac	tor	Flowing Temperature Factor		viation actor	Metered Flow	(Cubic Fe	et/	Flowing Fluid Gravity	
(F _b) (F _p) F Mcfd		psia		✓ P _m xh		·	F,,		Fpv	(Mcfd)	Barrel)		G _m	
					(OPEN FL	OW) (DELi)	/ERABILIT\	/) CALCUI	ATIONS		(5.)			
_c) ² =	:	(P _w) ²	=	:	P _d =			P _c - 14.4) +		:		2 = 0.207 2 =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	1	(P _c) ² - (P _w) ²		Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ²		P _c ² - P _w ²	Backpre Sic	Backpressure Curve Slope = "n" or Assigned		og 🗍	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
	1	-	divided by:	₽°Б°	by:	<u> </u>	Stand	dard Slope				, m		
	ļ													
pen Flow Mcfd @ 14.65 psia							Deliverability Mcfd @ 14.65 psia							
The under	·	•					•			=	ort and that he ha		dge of	
, ravis Stateu	aierei	n, anu mat :	ак теро	ii is iiue	and correc	i. Executed	anna dhe 🚅	1	My M	ctober		, 20		
· · · · · · · · · · · · · · · · · · ·		Witness	(if any)				•				Company			
		For Corr	mission							Che	cked by			

OCT 1 8 2012

KCC WICHITA

NCC WICHTA	
I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to reques	st
xempt status under Rule K.A.R. 82-3-304 on behalf of the operator M&M Exploration, Inc.	_
nd that the foregoing pressure information and statements contained on this application form are true an	d
orrect to the best of my knowledge and belief based upon available production summaries and lease record	S
f equipment installation and/or upon type of completion or upon use being made of the gas well herein named	ı.
I hereby request a one-year exemption from open flow testing for the Z Bar 24-1	_
as well on 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	
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	
I further agree to supply to the best of my ability any and all supporting documents deemed by Commis	sio
taff as necessary to corroborate this claim for exemption from testing.	
Date: October 9, 2012	
Signature: Nre nnt	
	_
Title: President	-

Instructions:

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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.