KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruc	tions on Re	everse Side))			
Open Flow Deliverabilty				Test Date: API No. 15 00723573 – 6						000		
Company M&M Ex	•	tion,	Inc.			**************************************	Lease Z Bar				1-1	Well Number
County Barber		Location 610 FNL 1130 FE			Section 1		TWP 34		RNG (E/W) 15W		Acres Attributed 160	
Field Aetna Gas Area				Reservoi Mississi			•	Gas Ga ONEO	thering Conn	ection		
Completion Date 09/16/2010				Plug Bac 5124'	k Total Dep	th		Packer Set at None				
Casing S 4.5				Internal Diameter 4.0		Set at 5154'		Perforations 4872'		To 4932'		
Tubing Si 2.375	Tubing Size 2.375			Weight 4.7		Diameter	Set at 4964'		Perforations		То	
Type Con Single (•	escribe)			d Production			Pump U Pump		Plunger? Yes	/ No
Producing Thru (Annulus / Tubing) Annulus					% Carbon Dioxide			% Nitrog	•	Gas Gravity - G _g 0.7321		
Vertical C	Pepth(F	1)				Pres	sure Taps		• • •			Run) (Prover) Size
Pressure Well on L												(AM) (PM)
							()		•			(117) (117)
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressi	I	Flowing Well He		Wellhead Pressure		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration of Shut Duration (Hours)	Liquid Produced (Barrels)
Shut-In	(///		psig (Pm)	inches H ₂ 0	-	•	psig 110	psia 124.4	psig	psia		· · · · · · · · · · · · · · · · · · ·
Flow												
						FLOW STR	REAM ATTR	IBUTES				
Plate - Coefficcient (F _b) (F _p) Mcfd		Circle ana: Meter or Prover Pressure psia		Press Extension P _m xh	Grav Fac F	or Temperature		Fa	Deviation Mete Factor F _{pv} (F		w GOR (Cubic Fe Barrel)	l (Gravity I
L	1				(OPEN EL	OW) (DELIV	EDADH ITV) CALCIII	ATIONE	l		
(P _c) ² =		_:	(P _w) ² =	<u> </u>				P _c - 14.4) +			•	² = 0.207 ² =
$(P_c)^2 - (P_g)^2$ or $(P_c)^2 - (P_d)^2$		I		Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	and divide		Backpressure Curve Slope = "n" or Assigned Standard Slope		l n x	гое	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
		•		,		····						
Open Flor	w			Mcfd @ 14.	65 psia	 -	Deliverat	oility			Mcfd @ 14.65 ps	ia
		_	•	n behalf of the	• -		·			•	ort and that he ha	as knowledge of
14515 3	(1		=		001100				m	September L-WW	Ł	KCC WICHIT
			Witness (-				Company	SEP 2 3 2013
			For Comm	uission		_				Chec	cked by	RECEIVED

exempt status used and that the force correct to the boof equipment in I hereby reconstructions.	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator M&M Exploration, Inc. regoing pressure information and statements contained on this application form are true and est of my knowledge and belief based upon available production summaries and lease records istallation and/or upon type of completion or upon use being made of the gas well herein named. Quest a one-year exemption from open flow testing for the Z Bar 1-1 grounds that said well:
I further ag	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 ree to supply to the best of my ability any and all supporting documents deemed by Commission ary to corroborate this claim for exemption from testing.
	Signature:

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.

KCC WICHITA

SEP 23 2013