## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:									verse Side				1 163			
= :	en Flow iverabilty	y			Test Date	:					No. 1:	5 1 – <i>00</i> 6	o <i>Q</i>			
Company M&M Exploration, Inc.					Lease Z Bar					•			v 19-13	Vell Nur	nber	
County Location Barber 500 FSL 950 FWL				Section 19			TWP 34		RNG (E/W) 14W		Acres A			tributed		
Field Aetna Gas Area				Reservoir Mississi				Gas Gathering ONEOK			Conne	ection				
Completion Date 08/11/2011				Plug Baci 5060'	< Total E	Depth		Packer Set at None						_		
Casing Size Weight .5 11.6			Internal Diameter 4.0			Set at 5096'		Perforations 4880'		3	то 4957'					
Tubing Siz	ubing Size Weight 3.75 4.7			Internal Diameter 1.995			Set at 4880'		Perforations		То					
Type Com Single ((		(Describe)			Type Flui Saltwa					Pump U Pump		raveling	Plunger?	Yes	/ No	
Producing Thru (Annulus / Tubing) Annulus				% Carbon Dioxide 0.1724			)	% Nitroge 2.1438			Gas Gravity - G <sub>g</sub> 0.6493				g	
/ertical De		<u>-</u>			0.172-		Pressu	re Taps		2.140						over) Size
Pressure I	Buildup:	Shut in St	ept 10	20	14 at 1	1:00		AM) (PM)	Taken_S	ept 11		20	14 at 1	11:00	(/	AM) (PM)
Well on Li	ne:	Started													(/	AM) (PM)
						OBSEI	RVED	SURFAC	E DATA				Duration (	of Shut-i	iņ	Hours
Static / Dynamic Property	Orifice Size (inches	Prover Pres	Diffe sure	essure erential in es H <sub>2</sub> 0	Flowing Temperature t	Well He Tempera t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pres (P <sub>w</sub> ) or (P <sub>t</sub> ) or		(P <sub>c</sub> )		-		Produced earrels)
Shut-In		Pois W.	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	100 1120			-	psig 122	psia 136.4	psig		psia		- "		***
Flow												-				
		Circle one:				FLOW		AM ATTR	BUTES				1		i	
Plate Coeffiecie (F <sub>b</sub> ) (F <sub>p</sub> Mcfd		Meter or Prover Pressure psia		ress ension P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>ft</sub>		F	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>
			<u> </u>	_	(OPEN FL	OW/ (DE	- I IVE	DADII ITV	L	ATIONS	L_					
P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub> ) <sup>2</sup>	=		P <sub>d</sub> =	• •	<u></u> %		o - 14.4) +			<u>_:_</u>		(P <sub>a</sub> ) <sup>2</sup>	2 = 0.20 2 =	D7
(P <sub>c</sub> ) <sup>2</sup> - (P or (P <sub>c</sub> ) <sup>2</sup> - (P		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		mula 1 or 2: 2 - P <sub>a</sub> <sup>2</sup> 2 - P <sub>d</sub> <sup>2</sup> P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide by:		2 or Assig		ssure Curve pe = "n" - or signed lard Slope	= "n" r jned n x			Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
					-											
Open Flov	Wcfd @ 14.65 psia		<u> </u>	Deliverability			Mcfd @ 1			4.65 psia						
•		ned authority,				states th	at he			to make t	the abo		_			ledge of
e facts st	tated the	erein, and that	said repo	ort is true	and correc	t. Exec	uted ti	nis the <u>1</u>	6th -	day of _	Octob	er o		1/4-		20 14 Received PORATION COM
		Witnes	i (if any)				_	-		m	a t		Company	KAN		0 6 201
		For Co.	nmission				_	-				Che	cked by			VATION DIVIS

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator M&M Exploration, Inc.  and that the foregoing 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 installation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for theZ Bar 19-13
gas 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 Commission
staff as necessary to corroborate this claim for exemption from testing.
Date: October 16, 2014
Signature: MlnM
Title: President Received KANSAS CORPORATION COMMISSION
NOV 0 6 2014
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.