## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:			(	See Instruc	tions on Re	verse Side	e)					
Open Flow Deliverability				Test Date:				API No. 15 007-23999 <b>– 2800</b>					
Company M&M Exploration, Inc.				Lease Z Bar				Well Number 8-1				ımber	
County Location Barber 500 FNL 600 FEL			Section 8		TWP 34			RNG (E/W) 14W		Acres Attributed			
Field Aetna Gas Area			Reservoir Mississippian				Gas Gat		ection				
Completion Date 05/06/2013			Plug Back Total Depth 5129'				Packer Set at None						
Casing S 5.5	Casing Size Weight .5 15.5			Internal Diameter 4.950		Set at 5160'		Perforations 4725'		то 4854'			
Tubing Size Weight 2.375 4.7			Internal (	Diameter	Set	Set at 4712'		Perforations		То			
Type Cor. Single (		(Describe)			id Production			Pump Ur Pump		g Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) Annulas			ng)	% Carbon Dioxide 0.0847				% Nitrog	en		Gas Gravity - G <sub>o</sub> 0.6231		
Vertical D	Depth(H)	_			Pres	sure Taps		,	<del>_</del> .	(Meter	Run) (P	rover) Size	
Pressure	Buildup:	Shut in Se	ept 11	20 14 at 1	2:15	(AM) (PM)	Taken_S	ept 12	20	14 at 12:15		(AM) (PM)	
Well on L				. 20 at (AM) (PM) Taken			Taken	20 at (AM) (PM)			(AM) (PM)		
		<del></del>			OBSERVE	D SURFAC	E DATA			Duration of Shu	t-in	Hours	
Static / Dynamic Property	Orifice Size (inches	Prover Pres	Differential in	t lemperature lemperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In						420	434.4	paig_	pola				
Flow													
	<u> </u>		<del>,                                     </del>	<del>-</del>	FLOW STF	REAM ATTR	RIBUTES			<del></del> -		1	
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> )		Clicie one:  Meter or  Prover Pressure psia  Press Extension  P <sub>m</sub> x h		Gravity Factor F <sub>e</sub>		Temperature		eviation Metered Flor factor R F <sub>pv</sub> (Mcfd)		v GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
							<u> </u>						
(P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub> )²	=:	P <sub>d</sub> =	OW) (DELIV		/) CALCUL P <sub>c</sub> - 14.4) +		<u> </u>		) <sup>2</sup> = 0.2	207	
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I	P <sub>a</sub> ) <sup>2</sup>		Choose formula 1 or.  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d^2$	LOG of formula 1. or 2.		Slo  As	essure Curve pe = "n" - or ssigned dard Slope		.og [ ]	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flo	w		Mcfd @ 14	.65 psia		Deliveral	bility			Mcfd @ 14.65 p	sia		
								_		ort and that he h			
he facts s	tated the	rein, and that	said report is tru	e and correc	t. Executed	I this the <u>1</u>	oth	day of $\frac{C}{2}$	h hv	KANS.	R'e AS CORP(	20 14 E <b>CEIVED</b> . DRATION COMMIS	
		Witness	(if any)			-				Company	NOV	0 6 2014	
		For Con	nmissio <b>n</b>	_		-			Che	cked by C	ONSERV WIC	ATION DIVISION HITA, KS	

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 the Z Bar 8-1  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:  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.