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

Type Test	:				(	See Instruc	tions on Re	verse Side	e)					
Open Flow Deliverabilty					Test Date	Test Date: API No. 15 00723188 – 6								
Company M&M Ex		ion,	Inc.			-	Lease Z Bar		_		23-2	Well Nu	mber	
County Barber			Location 500 FNL 2050 FEL		Section 23			TWP 34		W)		Acres Attributed 160		
Field Aetna Gas Area					Reservoir Mississippian			Gas Gat	hering Conn K	ection				
Completion Date 11/09/2007				Plug Back Total Depth 5039'				Packer Set at None						
Casing S	asing Size .5			Weight 10.5		Diameter	Set at 5073'		Perforations 4804¹		то 4910'			
Tubing Size 2.375			Weight 4.7		Internal Diameter 1.995		Set at 4927'		Perforations		То			
Type Con Single (			escribe)		• •	id Production			Pump U		Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) Annulus				))	% c 0.118	Carbon Diox			% Nitrog 0.602	•		Gas Gravity - G <sub>a</sub> 0.6124		
Vertical D	epth(H	l)				Pres	sure Taps	-			(Meter	Run) (P	rover) Size	
Pressure	Buildu	p:	Shut in Sep	ot 12 2	0_14_at_1	:00	(AM) (PM)	Taken S	ept 13	20	14 at 1:00		(AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
			<u></u>		·	OBSERVE	D SURFAC	E DATA			Duration of Shut	-in	Hours	
Static / Dynamic Property	amic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>9</sub> 0	Flowing Well Heat Temperature Temperat t		I Malhaad Proceura		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>a</sub> ) psig psia		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In	_						92	106.4	pu.g	pole				
Flow														
			Circle one:	_		FLOW ST	REAM ATTE	RIBUTES					Flowing	
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Meter or over Pressure psia	Press Extension √ P <sub>m</sub> xh	Gra Fac F	tor	Flowing Temperature Factor F <sub>it</sub>		viation actor F <sub>pv</sub>	Metered Flor R (Mcfd)	(Cubic F	GOR (Cubic Feet/ Barrel)		
			<u> </u>		(OPEN FL	.OW) (DELI\	/ERABILITY	/) CALCU	LATIONS		/P	)2 = 0.2	207	
(P <sub>c</sub> ) <sup>2</sup> =	<del></del> -	<u>_:</u>	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> =			P <sub>c</sub> - 14.4)		:_		) <sup>2</sup> =	<del></del>	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> · P <sub>w</sub>	P <sup>2</sup> -P <sup>2</sup> LOG of formula 1. or 2.		Backpressi Slope oi Assig Standard		n x	LOG	Antilog	De	pen Flow liverability s R x Antilog (Mcfd)	
			-											
Open Flow			Mcfd @ 14.6		.65 psia	5 psia		Deliverability		<u> </u>	Mofd @ 14.65 pt	  cfd @ 14.65 psia		
The	unders	igne	d authority, or	n behalf of the	Company,	states that I	he is duly a	uthorized	to make t	he above repo	ort and that he h	as knov	viedge of	
he facts s	tated ti	herei	in, and that sa	aid report is tru	e and correc	ct. Executed	this the <u>6</u>	6th	. day of	lovember			20 <u>14</u> .eceived	
	_		Witness (i	f any)				_	m	xwu For	KANS/	AS CORPO	PRATION COMM	
			For Comm	llssion						Che	ecked by	NOV	1 0 2014	
											CC	INSERVA WIC	ATION DIVISIO HITA, KS	

exempt status under and that the forego correct to the best of of equipment installa	penalty of perjury under the laws of the state of Kansas that I am authorized to request r Rule K.A.R. 82-3-304 on behalf of the operator M&M Exploration, Inc.  In pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. It a one-year exemption from open flow testing for the Z Bar 23-2 unds that said well:					
;	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					
	s on vacuum at the present time; KCC approval Docket Nos not capable of producing at a daily rate in excess of 250 mcf/D					
_	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.					
Date: November 6,	2014					
	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 regression signed and dated on the front side as though it was a verified report of annual test results. KANSAS CORPORATION COMMISSION