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

Type Test	:				(See Instructions on Reverse Side)									
Open Flow Deliverability					Test Date		1							
Company M&M Exploration, Inc.					007-21081-000 Lease Z Bar Ranch						Well Number 1-31 OWWO			
County Location Barber 1475 FSL 1320 FEL			1320 FEL	Section 31				RNG (E.	RNG (E/W) 14W		Acres Attributed 160			
Field Aetna Gas Area					Reservoir Mississippian				Gas Gat	hering Conn K	ection			
Completion Date 5/125/2012					Plug Bac 4963'	th	Packer Set at None							
Casing S 4.5	asing Size Weight 5 10.5				Internal I 4.052	Diameter	Set at 4894'		Perforations 4862'		то 4922'			
Tubing Si 2.375	Tubing Size Weight 2.375 4.7				Internal I	Diameter		Set at 4934'		rations	То			
Type Con Single (		(Describe)				d Production ter/Crude			Pump U Pump		Plunger? Ye	s / No		
Producing Thru (Annulus / Tubing) Annulus					% c 0.0834	arbon Di <b>o</b> xi	ide	e % Nitrog 2.458				Gravity - G <sub>g</sub>		
Vertical D	epth(H)	-				Pres	sure Taps	.•			(Mete	r Run) (F	Prover) Size	
Pressure	Buildup:	Shut in Si	ept 2	29 20	14 at 8	:00	(AM) (PM)	Taken_S	ept 30	20	14 <sub>at</sub> 8:00		(AM) (PM)	
Well on L				20	) at		(AM) (PM)	(AM) (PM) Taken 20			at	at (AM) (PM)		
	·					OBSERVE	D SURFAC	E DATA			Duration of Shi	ıt-in	Hours	
Static / Dynamic Property	Orifice Size (inches	Prover Pres	sure	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	emperature Wellhead P		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Duration [		uld Produced (Barrels)	
Shut-In							92	106.4						
Flow														
		Circle one:			<u> </u>	FLOW STE	REAM ATTE	BUTES						
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Meter or Prover Pressure psia		Press Extension P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>11</sub>	Fa	riation actor F <sub>pv</sub>	Metered Flor R (Mcfd)	w GO (Cubic Barr	Feet/	Flowing Fluid Gravity G <sub>m</sub>	
	_		_[_											
(P <sub>c</sub> )² =		: (P <sub>w</sub> )²	=	:	•	OW) (DELIV 		') CALCUL P <sub>c</sub> - 14.4) +		:		$(a_0)^2 = 0.$ $(a_0)^2 = 0.$	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		is a formula 1 or 2: $P_c^2 - P_a^2$ $P_c^2 - P_d^2$ and by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Backpressu Slope = or Assign Standard		n v	roe	Antilog	D€	Open Flow Deliverability Equals R x Antilog (Mcfd)	
<del>,</del>							ļ		_			_		
Open Flor	pen Flow Mcfd @ 14.65 psia						Deliverability				Mcfd @ 14.65 psia			
The i	undersigi	ned authority,	on be	ehalf of the	Company, s	states that h	ne is duly a			•	ort and that he	has kno	wledge of	
he facts s	tated the	rein, and that	said ı	report is true	and correc	t. Executed	I this the 1	6th	day of _	october		R	20 <u>14</u> . eceived	
		Witnes	s (if any	n		<u>,</u>			1/1	For	Company		ORATION COMMIS	
		For Cor	nmissio	n		<del></del>				Che	cked by (	ONSERV	ATION DIVISION	

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 Ranch 1-31 OWWO 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.
Signature: <u>Juenit</u> Title: <u>President</u>

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 intended to acquire exempt status for the subject well. The intended to acquire exempt status for the subject well. The intended to acquire exempt status for the subject well. The intended to acquire exempt status for the subject well.

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