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

Type Test:					(-	See Instruct	tions on Re	everse Side	<del>)</del> )					
	en Flow iverabili				Test Date	<b>)</b> :				No. 15 723701-©C	2.00			
Company M & M Exploration, Inc.						Lease Z Bar				723701-00		Well Number		
County Location Barber 500 FSL 950 FWL				Section 19		TWP 34			/W)		Acres Attributed 160			
Field Aetna Gas				Reservoir Mississi			Gas Gathering Conn ONEOK		ection					
Completion Date				Plug Back 5060'	k Total Dept	th	Packer None		Set at		RE	CEIVE		
asing Size Weight 5 11.6			Internal E	Diameter	-	Set at 5096'		rations O'	то <b>4957</b> '	OCT	182			
ubing Siz	ibing Size Weight			Internal E 1.995	Diameter	Set	Set at 4880'		orations	To	REC OCT KCC W	 ICHI		
2.375 4.7 Type Completion (Describe) Single (Gas)				Type Flui	d Production ter/Crude	n.		Pump Unit or Traveling Pump Unit		Plunger? Yes	/ No			
		Annı	ılus / Tubing)	)		% Carbon Dioxide			% Nitrogen			Gas Gravity - G <sub>g</sub>		
Annulus					0.1724	0.1724			2.143	8	0.6493			
ertical D	epth(H)					Pres	sure Taps				(Meter f	Run) (Prover) S	Size	
Pressure I	Buildup		hut in Aug								12 at 1:30			
Vell on Li	ne:	s	tarted	2	0 at		(AM) (PM)	Taken		20	at	(AM) (P	M)	
			····			OBSERVE	D SURFAC				Duration of Shut-	in	lours	
Static / ynamic roperty	namic Size		Circle one: Meter Prover Pressur	i	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>p</sub> )		Tubing Wellhead Pressure $(P_w)$ or $(P_l)$ or $(P_p)$		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In	•	-	psig (Pm)	Inches H <sub>2</sub> 0			psig 185	199.4	psig	psia				
Flow														
					1	FLOW STR	REAM ATTR	RIBUTES		Γ				
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle ane: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Grav Fact F <sub>g</sub>	tor 1	Flowing Temperature Factor F <sub>11</sub>	Fa	viation actor F <sub>pv</sub>	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	Grav	d ity	
						-								
) <sup>2</sup> =		:	(P <sub>w</sub> ) <sup>2</sup> =_	;	(OPEN FLO	OW) (DELIV		<b>/) CALCUL</b> P <sub>c</sub> - 14.4) +		:	(P <sub>a</sub> ) <sup>*</sup> (P <sub>d</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =		
(P <sub>c</sub> ) <sup>2</sup> - (P or (P <sub>c</sub> ) <sup>2</sup> - (P		(P <sub>0</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	LOG of formula 1, or 2, and divide	P. 2 - P. 2	Backpressure Curve Slope = "n"			LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
pen Flow Mcfd @ 14.65				65 psia		Deliveral	Deliverability		Mcfd @ 14.65 psia					
	-			behalf of the			•		to make t	•	ort and that he ha	as knowledge (		
			Witness (if	any)					M	K 4 5	TV Сотралу		<del></del>	
			For Commis	ssion						Char	cked by			

## RECEIVED OCT 1 8 2012

ULI 10 2012	
KCC WICHITA  I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to reques	st
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	d
correct to the best of my knowledge and belief based upon available production summaries and lease record	s
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	<b>i</b> .
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 Commiss	sion
staff as necessary to corroborate this claim for exemption from testing.	
Date: October 9, 2012	
Signature: MW NWZ	_
Title: President	
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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.