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

Type Test	t:				(	See Instruct	ions on Re	verse Side	)				
Open Flow				Tost Date	Test Date: API N								
De	liverab	ilty			1031 Date					722901 - (	ාවන		
Company M & M Exploration, Inc.						Lease Z Bar					10-13	Well Number	
County Location Barber 1400' FSL, 1000' FWL			Section 10		TWP 34		RNG (E/W) 15W		Acres Attributed				
Field Aetna Gas			_	Reservoir Fort Sc			Gas Gathering CONEOK			ection			
Completic 4/5/06	on Dat	e			Plug Back Total Dept 4732'		h	P		Set at			
Casing S 5.5				Weight 15.5		Internal Diameter 4.950		Set at 5045'		rations B	то <b>4706</b>		
<del>_</del>			Weight 4.7		Internal Diameter 1.995		Set at 4680		Perforations		То		
Type Completion (Describe) Single (Gas)					Type Fluid Production Saltwater/Crude			Pump	Unit	g Plunger? Yes / No			
Producing Thru (Annulus / Tubing)					% Carbon Dioxide				% Nitrog	en	Gas Gravity - G		
Annulus Vertical Depth(H)					0.065	0.065 Pressure Taps			4.904			0.6777 (Meter Run) (Prover) Size	
Vortical L	zepanti	',				ries.	sure raps				(INIBIBIT P	iun) (Prover) Size	
Pressure	Buildu	p:	Shut in	ch 16 2	0_11 at_8	:00	(AM) (PM)	Taken_M	arch 17	20	11 at 9:00	(AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken	<u> </u>	20	at	(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shut-i	n Hours	
Static /	Static / Orific		Circle one: Meter	Pressure	Flowing	Well Head	Oll Head Cas		•				
Dynamic Size Property (inches)			Prover Pressure in		Temperature Temperature		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> )		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>r</sub> ) or (P <sub>o</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
. ,	,		psig (Pm)	Inches H <sub>2</sub> 0	<u> </u>		psig	psia	psig	psia			
Shut-In						-	34	48.4					
Flow													
						FLOW STR	EAM ATTR	IBUTES					
Plate Coeffied			Circle one: Meter or	Press Extension	Grav		Tomografius		iation	Metered Flov		Flowing Fluid	
(F₀) (F	Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		over Pressure psia	√ P <sub>m</sub> xh		Factor '		Factor F		R (Mcfd)	(Cubic Fee Barrel)	Gravity	
MCIG	'		рэна			-	F <sub>tt</sub>		-			G <sub>m</sub>	
	1												
					•	OW) (DELIV		-				= 0.207	
(P <sub>c</sub> ) <sup>2</sup> =:				(a) P <sub>d</sub> = : P <sub>d</sub> =			7	<sup>2</sup> <sub>c</sub> - 14.4) +			(P <sub>d</sub> ) <sup>2</sup>	=	
(P <sub>c</sub> )² - (I	P_)2	(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>*</sub> ) <sup>2</sup>	1. P <sub>0</sub> <sup>2</sup> -P <sub>8</sub> <sup>2</sup>	LOG of formuta			ssure Curve pe = "n"	n x	.06		Open Flow Deliverability	
or (P <sub>e</sub> ) <sup>2</sup> - (P <sub>e</sub> ) <sup>2</sup>				2. P2-P2 1. or 2.		p2_p2   A		orsigned			Antilog	Equals R x Antilog	
				ivided by: $P_c^2 - P_w^2$		٠٠ *	Stand	ard Slope	<u> </u>			(Mcfd)	
									_				
							:						
Open Flow Mcfd @ 14			65 psia Deli			rability		· · · · · · · · · · · · · · · · · · ·	Mcfd @ 14.65 psia				
The	unders	ianea	d authority, on	behalf of the	Company s	tates that h	e is duly a	ithorized to	n make th	ne above reno	rt and that he has	s knowledge of	
		_	in, and that sa					Qth	day of . C	October		, 20 11	
			·				-		me	em a		RECEIVED	
			Witness (if	алу)			_			For C	company	CT 1 3 2011	
_			For Commi	ssion			_			Chec	ked by	VI I V ZUII	

correct to the best of my knowledge and belief based upon available production summaries and lease record 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 10-13  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	st — id
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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 Commis staff as necessary to corroborate this claim for exemption from testing.	sion
Date: October 10, 2011	
Signature: Men Grant  Title: President	_

## 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.