KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					((See Instruc	tions on Re	everse Side	e)						
Open Flow				Test Date: API No. 15												
Del	liverabi ———	ity									723702 - 00	90				
Company M&M Ex		ion,	Inc.					Lease Z Bar					20-14	Well Nur	nber	
County Location Barber 910 FSL 1480 FWL				FWL	Section 20		TWP 34			RNG (E/W) 14W				cres Attributed		
Field Aetna Gas Area				Reservoi Mississ			Gas 0 ONE		thering Conn K	ection						
Completion Date 08/20/2011					Plug Bac 4880'	k Total Dep	th	Packer Se None			_					
asing Size Weight 5 11.6				Internal 4.0	Diameter		Set at 4900'		orations 20'		то 4780'					
ubing Si				Internal 1.995	Diameter		Set at 4715'		orations	То						
ype Con		n (De				Type Flu	id Production	on		Pump U	nit or Traveling	Plunger	? Yes	/ No		
Single (Gas) Producing Thru (Annulus / Tubing)				_	% Carbon Dioxide			% Nitrogen			Gas Gravity - G					
Annulus						0.0612	0.0612				1.6331		0.6295			
ertical D	epth(H	1)					Pres	ssure Taps					(Meter I	Run) (Pr	over) Size	
ressure	Buildu	p:	Shut in Ser	t 10	2	14 at 9	:00		Taken_S	ept 11	20	14 at	9:00	(AM) (PM)	
Vell on L	ine:				2	0 at		(AM) (PM)	Taken		20	at	•	(AM) (PM)	
							OBSERVI	ED SURFAC	E DATA			Duration	n of Shut-	in	Hours	
Static / Pynamic Property	ic Size		Circle one: Meter Prover Pressu psig (Pm)	Diff	essure erential in nes H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wellhead (P _w) or (I	() or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	_		pag (i iii)		163 1120			150	164.4	psig	psia					
Flow												-				
							FLOW ST	REAM ATT	RIBUTES							
Plate Coefficcient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or Prover Pressure psia		Eutopolon		vity ctor	Flowing Temperature Factor F ₁₁	ture Factor		n Metered Flow R (Mcfd)		GOR (Cubic Fer Barrel)		Flowing Fluid Gravity G _m	
											<u> </u>					
			(D.)3					VERABILITY	·					² = 0.2	07	
) _c) ₂ =		<u>-</u> -	(P _w)² =		mula 1 of 2		·		(P _c - 14.4) -		 :_		(P _d)			
$(P_c)^2 - (P_u)^2$ or $(P_c)^2 - (P_d)^2$		(F			c² - P _k ² c² - P _d ² c Pc² - P _w	LOG of formula 1. or 2. and divide by:	formula 1. or 2. and divide p 2. p 2		Backpressure Curve Slope ≈ "n" Assigned Standard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
					<u> </u>				<u> </u>							
										_						
pen Flo	<u>w</u>	_		Mc	d @ 14	.65 psia		Delivera	bility			Mcfd @	14.65 ps	ia		
		-	d authority, o								the above repo					
								·• •		Inc	October LNW	Ł	KANS	IAS CORP	20 14 eceived · ORATION COM	
			Witness (f any)								Company		UCT	3 1 201	
			For Comm	ission							Che	cked by	с	ONSERV Wid	ATION DIVISI CHITA, KS	

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator M&M Exploration, Inc.
correct to the bes of equipment insta I hereby requ	poing pressure information and statements contained on this application form are true and tof my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. Lest a one-year exemption from open flow testing for the Z Bar 20-14 ounds that said well:
(Check ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	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 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: <u>October 21</u>	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 formation commission signed and dated on the front side as though it was a verified report of annual test results.