KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			(See Instruct	tions on Re	verse Side	!)				
= :	en Flow liverabilty			Test Date	9 :				No. 15			
Company		ation Inc				Lease Z Bar	-	15	007228820		Well Number	
M & M Exploration, Inc. County Location Barber 2000 FNL, 1375 FEL				Section 16		TWP			— · · W)	10-7	Acres Attributed	
Field				Reservoir				Gas Gathering Connection				
Aetna Gas Completion Date				Mississippian Plug Back Total Depth				ONEC Packer S				
4/23/06				5030 Internal Diameter Set at				None			·	
Casing Size Weight 4.5 10.5			4.052	Jiameter	Set at 5030		Perforations 4742		то 4750			
Tubing Size Weight 2.375 4.7			Internal Diameter Set at 1.995 4750			-	Perforations To					
Type Con Single (npletion (I	Describe)		Type Flui Saltwa	id Production	n			nit or Traveling ling Plunge	Plunger? Yes r	/ No	
Producing Thru (Annulus / Tubing)				% Carbon Dioxide			_	% Nitrogen			Gas Gravity - G	
Tubing Vertical Depth(H)				0.614 Pressure Taps						0.614 (Meter	Run) (Prover) Size	
4750				Flange						2.067		
Pressure	Buildup:	Shut in Mai	rch 16 2	0_11_at_8	:45	(AM) (PM)	Taken_M	arch 17	20	11 at 9:45	(AM) (PM)	
Well on L	.ine:	Started	20	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
					OBSERVE	D SURFAC	E DATA			Duration of Shut	-in Hou	
Static / Orifice Dynamic Size Property (inches)		Circle ane: Pressure Meter Differential Prover Pressure in		Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P,) or (P,) or (P,)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	(inches)	psig (Pm)	Inches H ₂ 0		<u> </u>	psig	psia 142.4	psig	psia 101.4			
Flow						128	142.4	117	131.4		-	
					FLOW STR	EAM ATT	RIBLITES				<u> </u>	
Plate	,	Circle one	Press	Grav		Flowing			14 -4	000	Flowing	
Coeffiec (F _b) (F Mofd	p) F	Meter or Extension Prover Pressure psia Pmx		Fac	tor	Temperature Factor F _{tt}		Deviation Metered Flor Factor R F _{pv} (Mcfd)		W GOR (Cubic Fe Barret)	eet/ Fluid	
<u>,</u>												
(P _c) ^z =	:	(P)² =	:	(OPEN FL	OW) (DELIV		/) CALCUL P _o - 14.4) +			(P _a)) ² = 0.207	
$(P_o)^2 - (P_q)^2$ or $(P_g)^2 - (P_d)^2$		(P _c) ² · (P _w) ² Choose formula 1 or 2: 1. P _c ² · P _d ² 2. P _c ² · P _d ²		LOG of formula 1, or 2, and divide p 2. p 2		Backpressure Curve Slope = "n"or Assigned		n x l OG		Antilog	Open Flow Deliverability Equals R x Antilog	
			divided by: Pc2 - Pa2	by:	<u> </u>	Stand	dard Stope		ال ا		(Mcfd)	
Open Flo	<u> </u>		Mcfd @ 14.	65 psia		Deliveral	bility			Mcfd @ 14.65 ps	sia	
The	undersian	ed authority, or			states that h			o make ti		rt and that he ha		
			id report is true					_			11	
									nut		RECEIVE	
		Witness (ii	<u> </u>							Company	OCT 13 2	
		For Camm	#saion						Chec	cked by		
										ţ	CC WICH	

,	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator M & M Exploration, Inc.
and that the foregoin	ng pressure information and statements contained on this application form are true and
of equipment installat	my knowledge and belief based upon available production summaries and lease records tion and/or upon type of completion or upon use being made of the gas well herein named. a one-year exemption from open flow testing for the Z Bar 16-7
gas well on the groun	
is is is list is is list is is list is	a coalbed methane producer cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER on vacuum at the present time; KCC approval Docket No not capable of producing at a daily rate in excess of 250 mcf/D supply to the best of my ability any and all supporting documents deemed by Commission corroborate this claim for exemption from testing.
	Signature: Mul nut 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.