KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t: oen Flo	w				((See Instru	ctions on R	everse Side	9)			
Deliverabilty				Test Date:					No. 15 007231350	0000			
Company M & M Exploration, Inc.				Lease Z Bar					, s ₁ .		Well Number		
County Barber			Location S/2 N/2 SW/4			Section 14		TWP 34S			W)	Acres Attributed	
Field Aetna Gas						Reservoir Mississippian				Gas Gathering ONEOK		ection	
Completion Date July 6, 2007			·			Plug Back Total Depth 4921		oth		Packer Set at None			
Casing Size 4.500			Weight 10.5			Internal Diameter 4.052		Set at 4944		Perforations 4799		то 4870	
Tubing Size 2.375			- Weig 4.7	ht		- Internal Diameter 1.995		Set at 4793		Perforations -		То	
Type Completion (Describe) Single (Gas)							id Production					Plunger? Yes	/ No
Producing Thru (Annulus / Tubing) Tubing				ng)		% C .090	Carbon Diox	kide		% Nitrogen .624		Gas Gravity - G ₉ .6146	
Vertical D	Pepth(F	1)					Pre	ssure Taps				(Meter I	Run) (Prover) Size
Pressure	Buildu	p:	Shut in No	V.	17 2	0_10_at_8	:00	(AM) (PM)	Taken_N	ov. 18	20	10 at 8:00	(AM) (PM)
Well on L	.ine:	,										at	
							OBSERVI	ED SURFAC	E DATA			Duration of Shut-	in Hours
Static / Dynamic Property	1		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t t		(P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In			poig (r m)		1101003 1120			160	174.4	psig psia			
Flow													
			Circle one:	1		<u> </u>	FLOW STI	REAM ATTE	RIBUTES			·	
Plate Coeffiecient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia			Press Extension P _m x h	Grav Fact F _g	tor	Temperature		viation Metered Flor actor R F _{pv} (Mcfd)		GOR Flowing (Cubic Feet/ Gravity Barrel) G _m	
					· · · · · · · · · · · · · · · · · · ·			<u>,</u>					
(P _c) ² =		:	(P _w)² =	=	:	(OPEN FLO		/ERABILITY % (I	′) CALCUL P _c - 14.4) +		:	$ (P_a)^2 $ $ (P_d)^2 $	= 0.207
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choc	ose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ed by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	Backpress Slope		essure Curve pe = "n" - or ssigned lard Slope	ve n x l OG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			1		***								
Open Flow	~ <u></u>				Mcfd @ 14.6	 35 psia		Deliverat	oility	,		Mcfd @ 14.65 psi	a
								ne is duly a	uthorized to		e above repo	rt and that he ha	s knowledge of
the facts st	tated th	nereir	n, and that s	aid ı	report is true	and correct	t. Executed	this the 3	Oth	day of No	ovember MW		, 20
			Witness	if any	')			-	10	ne		ompany	RECEIVED
MARIELAN ANNUAL AND			For Comr			дадиния		-				ked by	DEC 0.3 201

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 14-12 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.
Date: November 30, 2010
Signature: Multu
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.